Industry, Science and Technology Canada
Industrie, Sciences et Technologie Canada
Canada

INFORMATION TECHNOLOGIES INDUSTRY PERFORMANCE

STATISTICAL SUMMARY
1987

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INFORMATION TECHNOLOGIES INDUSTRY PERFORMANCE

STATISTICAL SUMMARY

1987

Information Technologies Industry
Branch (IITI)
Industry, Science and Technology
Canada
June 1988

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INTRODUCTION

This statistical summary of the performance of the Canadian Information Technologies Industry has been prepared by the Information Technologies Industry Branch of ISTC from data supplied by Statistics Canada. Data are based on the 1980 Standard Industrial Classification (S.I.C.), which precludes presentation of shipments and trade data for any years prior to 1982.

For the purpose of this document, the information Technologies Industry encompasses the Radio and Television (SIC 3341), Communications and Component (SIC 335), Office and Store Machinery (SIC 336), Instruments (SIC 3911) and computer services sector (SIC 772). Recognizing the importance of the application of information technologies, the Survey of the Application of Advanced Manufacturing Technologies in Industry of June 1987 has been added to this summary.

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PERFORMANCE OF THE

INFORMATION TECHNOLOGIES INDUSTRY

INVESTMENT STATISTICS

		Capital Expenditures	Repair Expenditures	Total
		- millions of dollars -		
Household Radio and Television Receivers	1982	8.0	3.5	11.5
	1983	3.5	2.8	6.3
	1984	20.3	3.9	24.2
	1985	23.8	6.0	29.8
	1986	13.0	8.7	21.7
	1987	16.9	10.3	27.2
	1988	40.1	8.5	48.7
Communications Equipment	1982	178.2	34.4	212.6
	1983	220.2	33.3	253.5
	1984	308.9	46.1	355.0
	1985	303.3	42.0	345.3
	1986	315.5	54.6	370.1
	1987	346.1	57.1	403.2
	1988	388.8	62.1	450.9
Office and Store Machinery	1982	111.0	10.3	121.3
	1983	117.9	20.7	138.6
	1984	130.7	26.3	157.0
	1985	129.0	37.1	166.1
	1986	119.1	21.2	140.3
	1987	153.0	25.6	178.6
	1988	256.6	28.0	284.6
Scientific and Professional Equipment Industries	1982	50.7	21.6	72.3
	1983	65.5	24.3	89.8
	1984	60.9	23.8	84.7
	1985	98.3	24.9	123.2
	1986	123.1	48.7	171.8
	1987	118.7	39.9	158.6
	1988	144.6	44.6	189.2
Total Manufacturing	1982	11 492.5	4 854.3	16 346.8
	1983	8 858.4	5 011.4	13 869.8
	1984	8 886.7	5 747.9	14 634.6
	1985	11 516.1	6 081.9	17 598.0
	1986	14 249.3	6 520.3	20 769.6
	1987	14 953.5	6 773.3	21 726.8
	1988	18 362.0	7 101.5	25 463.5

Source: Statistics Canada #61-214

TOTAL INTRAMURAL R&D EXPENDITURES

	1980	1981	1982	1983	1984	1985	1986P	1987P
Business Machines	59	84	124	140	168	187	235	249
Telecommunications Equipment	187	275	349	458	557	648	630	678
Electronic Parts and Components	28	41	60	61	63	71	76	81
Other electronic equipment	49	68	94	112	137	165	169	194
Scientific & Professional Equipment	18	18	21	25	31	36	39	38
Total Manufacturing	1245	1700	1959	2031	2274	2508	2627	2791
Total Mines & Wells	101	131	132	92	115	127	110	116
Total Services	224	293	395	460	600	696	720	729
Total All Industries	1570	2124	2487	2583	2988	3330	3457	3636

Source: Statistics Canada - Cat. No. 88-202
(613) 990-9919

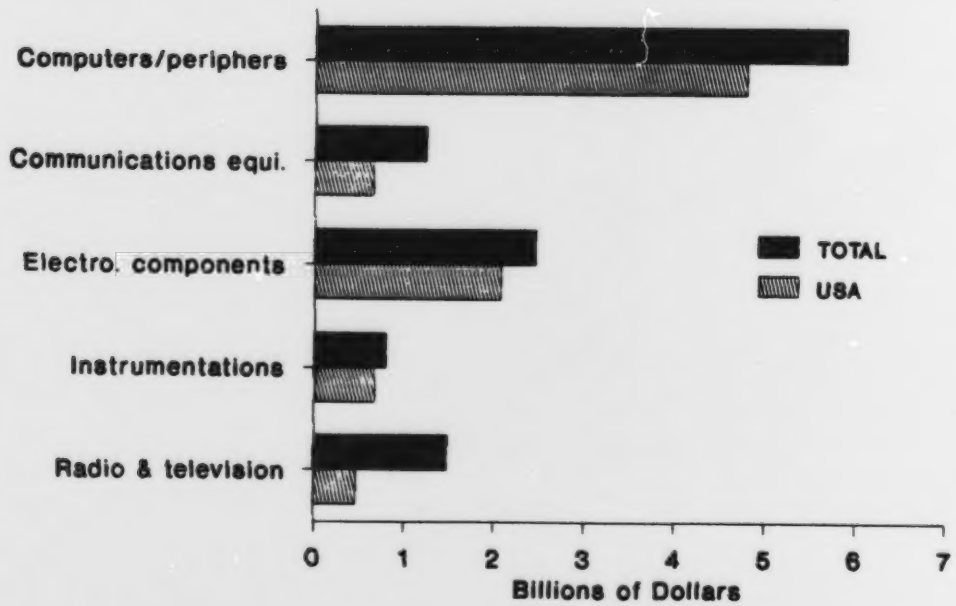
P: preliminary

INDUSTRY SELLING PRICE INDEXES (1981 = 100)

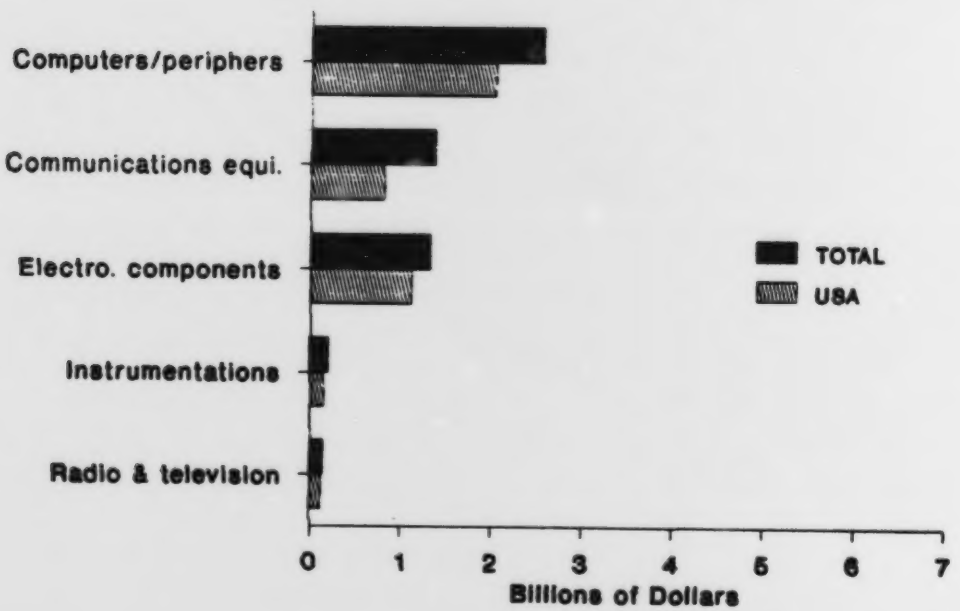
SIC	Industry Sub-Sector	1983	1984	1985	1986	1987
3341 -	Radio & Television	99.5	100.0	98.1	99.4	99.3
3351 -	Telecommunication Equipment	115.9	122.8	126.3	129.9	132.4
3352 -	Electronic Parts & Components	106.9	113.9	119.1	124.0	129.0
3359 -	Other Comm. & Electronic Equip.	112.2	117.6	121.3	127.0	128.7
3361 -	Electronic Computing & Peripheral Equipment	104.0	105.4	108.3	110.5	111.0
3362 -	3369 Misc. Business Machines	97.5	100.2	95.6	90.0	84.3
3911 -	Indicat., Record. & Controll. Instruments	118.5	123.5	127.1	128.9	130.9
3912 -		N/A				

Source: Statistics Canada - Cat. 62-011

1987 IMPORTS
BY SECTOR

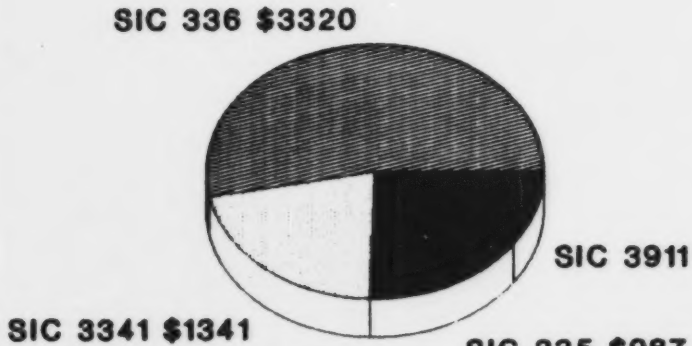


1987 EXPORTS
BY SECTOR

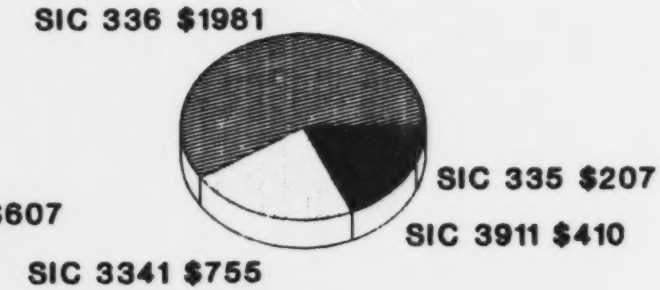


TRADE DEFICIT

Millions of Dollars



1987

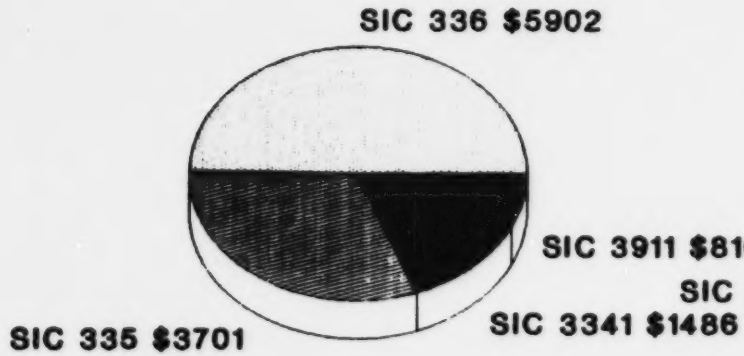


1982

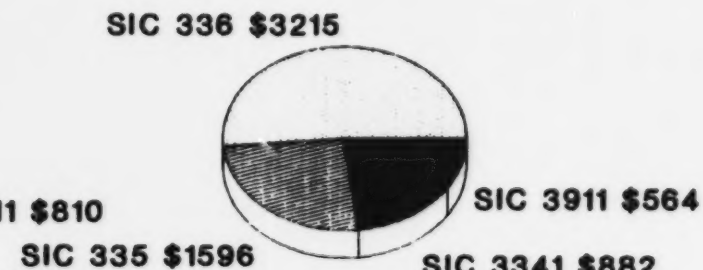
3341 - Radio & TV; 3911 - Instruments
335 - Comm.Equip. & Components
336 - Computers & Office Machs.

IMPORTS

Millions of Dollars



1987

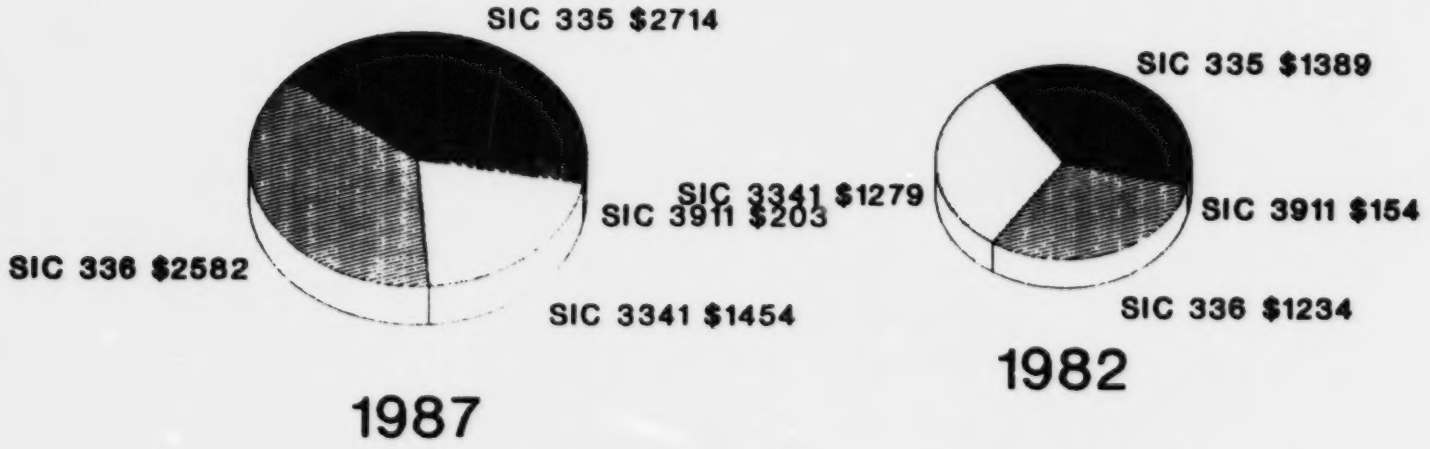


1982

3341 - Radio & TV ;3911 - Instruments
335 - Comm. Equip. & Components
336 - Computers & Office Machs.

EXPORTS

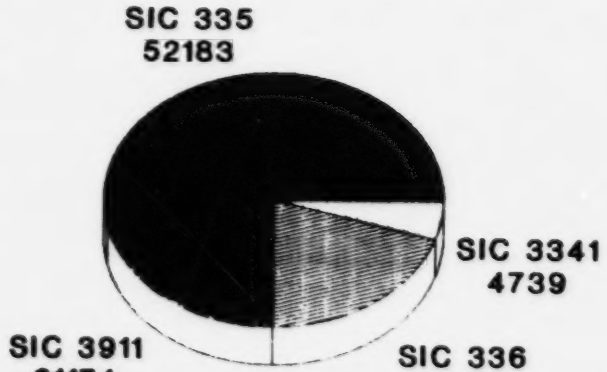
Millions of Dollars



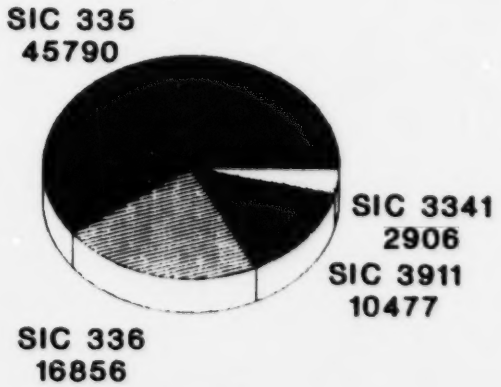
3341 - Radio & TV; 3911 - Instruments
335 - Comm.Equip.& Components
336 - Computers & Office Machs.

EMPLOYMENT

Unit



1987



1982

3341 - Radio & TV; 3911 - Instruments
335 - Comm. Equip. & Components
336 - Computers & Office Machs.

EMPLOYMENT TABLE (Yearly Average)

SIC	Description	1983	1984	1985	1986	1987
3341	- Radio & Television	4 468	4 656	4 771	5 159	5 093
335	- Communications & Components	44 628	47 678	48 657	49 655	49 619
336	- Office & Store Machinery	14 857	15 592	17 523	18 290	19 638
3911	- Instruments (est.)	21 770	21 768	19 903	17 465	20 637
330	- Head office, sales & auxiliary units (50%)	N.A.	N.A.	N.A.	N.A.	N.A.
	TOTAL	85 723	89 694	90 854	90 569	94 987
	All Mfg. Industries	1 763 368	1 772 366	1 817 531	1 854 136	1 900 272
	Electronics as % of all Mfg.	4.9	5.1	5.0	4.9	5.0

Source: Cat. #72-002 - Statistics Canada for companies of 20 employees or more.

1987

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Preliminary Yearly Average
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total	7 440	11 899	4 830	814	5 644	13 695	86.9	64.9	-6 255	54.3	97 728
3341 - Record Player, Radio & T.V.	550*	1 486	137	8	145	1 891	78.6	24.9	-1 341	29.1	4 739
335 - Comms. Equip. & Components	4 394	3 701	2 419	295	2 714	5 381	68.8	55.1	- 987	81.7	52 183
3351 - Telecomms Equip.	N.A.	815	1 140	66	1 206	-	-	-	+ 391	-	-
3352 - Electronic Components	N.A.	2 458	1 116	215	1 331	N.A.	-	-	-1 127	-	-
3359 - Other Comms. Equip.	N.A.	428	163	14	177	N.A.	-	-	- 251	-	-
336 - Office, Store & Business Machines	1 724	5 902	2 111	471	2 582	5 044	117.0	122.4	-3 320	34.2	19 632
3361 - Computers & Peripheral	N.A.	5 097	2 011	455	2 466	-	-	-	-2 631	-	-
3362 - Office Machs. Elect.	N.A.	205	-	-	-	-	-	-	- 205	-	-
3369 - Other Office Machs.	N.A.	600	100	16	116	-	-	-	- 484	-	-
3911 - Indicat. Record & Control Instruments	772*	810	163	40	203	1 379	58.7	21.1	- 607	56.0	21 174

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Prel. Cat. 31-001
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports Less Total Exports
* Estimates

1986

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Preliminary Yearly Average
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total	7 108	10 664	4 220	653	4 873	12 899	82.7	59.4	-5 791	55.1	86 546
3341 - Record Player, Radio & T.V.	N.A.	1 707	192	8	200	N.A.	-	-	-1 507	-	4 438
335 - Comms. Equip. & Components	4 286	3 232	2 324	169	2 493	5 025	64.3	54.2	- 739	85.3	48 656
3351 - Telecomms Equip.	N.A.	741	1 119	59	1 178	N.A.	-	-	+ 437	-	-
3352 - Electronic Components	N.A.	2 014	1 064	99	1 163	N.A.	-	-	- 851	-	-
3359 - Other Comms. Equip.	N.A.	477	141	11	152	N.A.	-	-	- 325	-	-
336 - Office, Store & Business Machines	1 470	4 929	1 529	438	1 967	4 432	111.2	104.0	-2 962	33.2	17 366
3361 - Computers & Peripheral	N.A.	4 195	1 440	427	1 867	N.A.	-	-	-2 328	-	-
3362 - Office Machs. Elect.	N.A.	204	-	-	-	-	-	-	- 204	-	-
3369 - Other Office Machs.	N.A.	530	89	11	100	N.A.	-	-	- 430	-	-
3911 - Indicat. Record & Control Instruments	N.A.	796	175	38	213	N.A.	-	-	- 583	-	16 086

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Prel. Cat. 31-001
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports Less Total Exports
* Estimates

1985

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total	7 602	9 816	4 326	764	5 090	12 328	79.6	56.9	-4 726	61.7	85 474
3341 - Record Player, Radio & T.V.	604	1 563	199	7	206	1 961	79.7	32.9	-1 357	30.8	3 008
335 - Comms. Equip. & Components	4 281	2 850	2 543	190	2 733	4 398	64.8	59.4	- 117	97.3	51 704
3351 - Telecomms Equip.	2 018	625	1 277	74	1 351	1 292	48.4	63.3	+ 726	156.2	20 497
3352 - Electronic Components	697	1 889	1 065	104	1 169	1 417	133.3	152.8	- 720	49.2	10 705
3359 - Other Comms. Equip.	1 566	201	201	12	213	1 554	12.9	12.8	- 123	100.8	20 502
336 - Office, Store & Business Machines	1 852	4 600	1 428	525	1 953	4 499	102.2	77.1	-2 647	41.2	18 582
3361 - Computers & Peripheral	1 524	3 940	1 349	511	1 860	3 604	109.3	88.5	-2 080	42.3	13 538
3362 - Office Machs. Elect.	)	205	-	-	-	)	-	-	- 205	)	)
3369 - Other Office Machs.	) 328	455	79	14	93	) 895	-	-	- 362	) 36.6	) 5 044
3911 - Indicat. Record & Control Instruments	865	803	156	42	198	1 470	54.6	18.0	- 605	58.8	12 180

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Manufacturers
Employment: Census of Manufacturers

Note 1: Apparent Domestic Market (A.D.M) = Shipments plus Imports Less Total Exports

1984

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars -						Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total	6 628	10 235	4 095	663	4 758	12 105	84.6	61.8	-5 477	54.8	83 240
3341 - Record Player, Radio & T.V.	439	1 655	178	7	185	1 909	86.7	40.5	-1 470	23.0	2 676
335 - Comms. Equip. & Components	3 821	2 883	2 348	191	2 539	4 165	69.2	61.4	- 344	91.7	51 769
3351 - Telecomms Equip.	1 817	562	1 233	71	1 304	-	-	-	+ 742	-	21 639
3352 - Electronic Components	610	2 050	881	109	990	-	-	-	-1 060	-	9 873
3359 - Other Comms. Equip.	1 393	271	234	11	245	-	-	-	- 26	-	20 257
336 - Office, Store & Business Machines	1 662	4 947	1 431	434	1 865	4 744	104.3	86.1	-3 082	35.0	17 155
3361 - Computers & Peripheral	1 290	4 245	1 328	419	1 747	-	-	-	-2 498	-	10 953
3362 - Office Machs. Elect.	372	194	-	-	-	-	-	-	- 194	-	-
3369 - Other Office Machs.	-	508	103	15	118	-	-	-	- 390	-	6 202
3911 - Indicat. Record & Control Instruments	706	750	138	31	169	1 287	58.3	23.9	- 581	54.9	11 640

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M) = Shipments plus Imports Less Total Exports

1983

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars - Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
Total	5 439	7 205	2 848	488	3 336	9 308	77.4	52.4	-3 869	58.4	75 542
3341 - Record Player, Radio & T.V.	417	1 176	149	6	155	1 438	81.8	37.2	-1 021	29.0	2 749
335 - Comms. Equip. & Components	3 125	1 991	1 465	140	1 605	3 511	56.7	46.9	- 386	89.0	45 087
3351 - Telecomms Equip.	1 540	440	791	47	838	1 142	38.5	51.4	+ 398	134.9	18 835
3352 - Electronic Components	447	1 338	483	78	561	1 224	109.3	108.1	- 777	36.5	8 324
3359 - Other Comms. Equip.	1 138	212	191	15	206	1 145	18.6	16.8	- 7	99.4	17 928
336 - Office, Store & Business Machines	1 283	3 450	1 115	315	1 430	3 303	104.5	86.9	-2 020	38.8	15 883
3361 - Computers & Peripheral	801	2 887	991	297	1 288	-	-	-	-1 599	-	8 040
3362 - Office Machs. Elect.	-	156	-	-	-	-	-	-	- 156	-	-
3369 - Other Office Machs.	482	407	124	18	142	-	-	-	- 265	-	7 843
3911 - Indicat. Record & Control Instruments	614	588	119	27	146	1 056	55.7	19.4	- 442	58.1	11 823

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M) = Shipments plus Imports Less Total Exports

1982

DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT

Industry Grouping	- million dollars - Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports / A.D.M. %	Domestic Exports / Ship. %	Trade Balance $ Millions	Ship. / A.D.M. %	Employment - Units - Census of Mfrs.
Total	5 187	6 257	2 489	415	2 904	8 540	73.3	48.0	-3 353	60.7	76 029
3341 - Record Player, Radio & T.V.	391	882	120	7	127	1 146	77.0	30.7	- 755	34.1	2 906
335 - Comms. Equip. & Components	3 065	1 596	1 278	111	1 389	3 272	48.8	41.7	- 207	93.7	45 790
3351 - Telecomms Equip.	1 645	330	788	35	823	1 152	28.6	47.9	+ 493	142.8	20 522
3352 - Electronic Components	392	1 087	392	71	463	1 016	107.0	100.0	- 624	38.6	8 229
3359 - Other Comms. Equip.	1 028	179	98	5	103	1 104	16.2	9.5	- 76	93.1	17 039
336 - Office, Store & Business Machines	1 178	3 215	969	265	1 234	3 159	101.8	82.3	-1 981	37.3	16 856
3361 - Computers & Peripheral	681	2 649	842	247	1 089	-	-	-	-1 560	-	7 841
3362 - Office Machs. Elect.	-	155	-	-	-	-	-	-	- 155	-	-
3369 - Other Office Machs.	497	411	127	18	145	-	-	-	- 266	-	9 015
3911 - Indicat. Record & Control Instruments	553	564	122	32	154	963	58.6	22.1	- 410	57.4	10 477

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
Shipments: Census of Mfrs.
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M) = Shipments plus Imports Less Total Exports

IMPORTS

TABLE 1

Commodity Class No.	Leading Import Classes for the Electronics Industry 1987	Value $ Million 1987
771-22	Electronic computers & parts	5 093.2
638-39	Semi-conductors n.e.s.	821.5
638-31	Integrated circuits	513.8
639-99	Electronic equip. components n.e.s.	449.7
634-99	Commercial communication equip. n.e.s.	428.9
919-47	Photocopy & similar machines & parts	414.0
634-75	Tape players, recorders (excl. parts)	398.4
637-69	Comb. radio-phono sets excl. parts)	318.2
634-19	Telephone apparatus equip. & parts	268.8
638-49	Parts of semi-conductors	235.6
637-14	T.V. receiving sets, color, over 19"	196.8
915-39	Unexposed photographic film n.e.s.	176.6
709-09	X-ray & related equipment & parts	170.5
702-90	Elec. & electro. meas. test. instrs. & pts.	162.5
705-90	Laboratory instr. & appar. & pts. n.e.s.	139.2
634-90	Radio transmitting receiving units	132.1
637-24	Radio receiving sets, automobile	131.7
634-29	Telegraph appar. equip. & parts	116.9
915-69	Sensitized photo paper & cloth n.e.s.	114.0
709-49	Physical prop. test. equip. & pts. n.e.s.	111.4
709-94	Geophysical mineral pros. equip. & pts.	108.6
639-45	Speakers, electronic communication & pts.	106.3
911-11	Cameras, still picture	102.8
703-95	Parts of meas. & control. instr. n.e.s.	97.2
709-97	Models for demonstration etc. & pts.	97.0
639-10	Capacitors, electronic & parts	95.6
881-99	Medical & surgical supplies n.e.s.	95.4
634-39	Radar equip. & rel. devices & pts. n.e.s.	92.1
709-19	Navigation instrs. & appar. & pts.	90.6
706-89	Medical & hospital equip. & pts. n.e.s.	90.3
706-39	Medical diagnostic instrs. n.e.s.	83.9
706-09	Physiological monitoring equipment	78.2
919-45	Film processing & finish equip. & pts.	71.7
706-31	Surgical instrs. of steel & pts.	68.6
637-49	Radio receiving sets, n.e.s. (exc. pts.)	65.9
915-23	X-ray film, unexposed	64.7
637-11	T.V. receiving sets, color, under 19"	63.0
638-33	Semi-conductors, transistor type	62.8
703-78	Comb. meas. & multi-function instruments	62.0
634-45	Sound amplifiers	57.8

TABLE 2 - IMPORTS - ELECTRONICS INDUSTRY
SIGNIFICANT SOURCE COUNTRIES, BY SECTOR

($ Millions)

	Computing and Peripheral				Electronic Office and Store Machines				Other Office and Store Machines				Telecommunications Equipment			
	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987
U.S.A.	3 891	3 510	3 633	4 348	97	101	98	103	302	268	305	344	368	340	368	367
Japan	114	111	160	205	59	62	68	60	145	132	152	165	108	173	240	293
United Kingdom	23	30	47	37	2	2	2	4	3	2	6	6	8	7	8	13
Ireland	39	64	35	43	-	-	-	-	-	-	-	-	-	1	-	-
West Germany	16	25	29	23	7	11	11	7	8	8	13	15	5	9	6	3
Taiwan	39	68	94	101	7	7	8	13	2	2	2	3	16	30	39	32
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	9	5	11	31	-	-	-	-	-	-	-	-	14	18	21	37
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	14	11	9	72	-	-	-	-	1	1	2	3	3	6	8	10
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hong Kong	12	6	20	38	5	3	3	3	2	3	4	4	12	14	19	19
All Countries	3 940	3 940	4 195	5 907	194	205	204	205	508	455	529	600	562	625	741	815

	Electronic Components				Other Electronic and Communications Equipment				Instruments				Radio, Television and Record Players			
	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987
U.S.A.	1 722	1 621	1 668	2 073	212	262	328	288	656	686	657	675	376	408	485	472
Japan	95	94	129	107	28	30	58	53	13	16	22	21	820	714	733	529
United Kingdom	20	22	29	34	7	9	15	22	26	31	32	28	9	12	13	12
Ireland	-	-	-	2	-	-	-	-	2	3	2	2	-	-	-	-
West Germany	19	14	17	29	2	3	4	3	16	20	26	26	4	4	4	3
Taiwan	49	28	29	35	4	5	5	6	2	2	3	3	89	87	113	122
France	-	-	-	-	-	-	-	-	2	4	4	3	-	-	-	-
South Korea	12	9	13	33	3	6	10	14	2	2	2	3	154	123	160	185
Sweden	-	-	-	-	-	-	-	-	5	7	7	9	-	1	1	2
Mexico	37	30	32	25	1	1	-	-	-	-	-	-	40	65	59	29
Switzerland	-	-	-	-	-	-	-	-	6	8	11	12	2	2	4	3
Hong Kong	26	9	15	22	4	5	5	7	-	-	1	-	54	36	28	31
All Countries	2 050	1 889	2 014	2 458	271	336	476	429	750	803	796	810	1 655	1 563	1 707	1 486

TABLE 3 - 1987 IMPORTS OF RECORD PLAYERS RADIO AND TELEVISION RECEIVERS (S.I.C. 3341)

Class No.	Commodity	Total	Supplier Countries													
			Japan		United States		South Korea		Taiwan		Singapore		Hong Kong		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-75	Tape players, recorders (exc. pts.)	398398	300780	75.5	37338	9.4	42532	10.7	7815	1.9	3099	0.8	2697	0.7	4137	1.0
637-69	Comb. radio-phono sets (exc. pts.)	318156	76106	23.9	91507	28.8	58335	18.3	38730	12.2	21146	6.6	10365	3.3	21967	6.9
637-14	T.V. sets, colour, over 19"	196842	19174	9.7	129842	66.0	28454	14.5	15444	7.8	886	0.5	1796	0.9	1246	0.6
637-24	Radio sets, car, trans. or tubes	131717	5038	3.8	107181	81.4	1519	1.2	94	-	498	0.5	307	0.2	16980	12.9
639-45	Speakers electronics & pts.	106294	15307	14.4	64031	60.2	4632	4.4	9718	9.2	653	0.6	343	0.3	11610	10.9
637-49	Radio Sets nes (exc. pts.)	65876	24834	37.7	3766	5.7	6408	9.7	7119	10.8	5399	8.2	12215	18.6	6135	9.3
637-11	T.V. sets, colour, under 19"	62985	7145	11.3	2580	4.1	22121	35.1	20878	33.1	7226	11.6	762	1.2	2273	3.6
634-45	Sound amplifiers, (exec. pts.)	57765	20729	35.9	21363	37.0	4149	7.2	3054	5.3	12	-	603	1.0	7855	13.6
639-60	T.V. radio phono set Chassis	47447	7762	16.4	2146	4.5	382	0.8	10788	22.7	3522	7.4	-	-	22847	48.2

Source: Statistics Canada Cat. #65-007

TABLE 3 (cont'd) - 1987 IMPORTS OF RECORD PLAYERS, RADIO AND TELEVISION RECEIVERS (S.I.C. 3341)

Class No.	Commodity	Total	Supplier Countries													
			Japan		United States		South Korea		Taiwan		Singapore		Hong Kong		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
637-59	Phono record players dom.	28264	23847	84.4	695	2.4	318	1.1	639	2.3	-	-	-	-	2765	9.8
639-92	Pts. of phono record player nes	23201	15561	67.1	1859	8.0	910	3.9	814	3.5	81	0.3	33	0.2	3943	17.0
639-94	Pts. of tape players and recorders nes	17537	7377	42.1	6556	37.4	445	2.5	45	0.3	13	-	1774	10.1	1327	7.6
637-15	T.V. sets, nes under 19"	15446	242	1.6	367	2.4	13179	85.3	1535	9.9	-	-	100	0.6	23	0.2
639-50	Tuners	12078	4806	39.8	699	5.8	733	6.1	4772	39.5	582	4.8	144	1.2	342	2.8
637-13	T.V. sets, colour, 19"	3023	167	5.5	1222	40.4	1203	39.8	431	14.3	-	-	-	-	-	-
634-49	Phonographs, coin-operated	748	112	15.0	562	75.1	-	-	-	-	-	-	-	-	74	9.9
637-18	T.V. sets nes over 19"	29	1	3.4	28	96.6	-	-	-	-	-	-	-	-	-	-
637-17	T.V. sets nes, 19"	27	-	-	27	100.0	-	-	-	-	-	-	-	-	-	-
	TOTAL S.I.C. 3341	1485833	528988	35.6	471769	31.8	185320	12.4	121876	8.2	43217	2.9	31139	2.1	103524	7.0

Source: Statistics Canada Cat. #65-007

TABLE 4 - 1987 IMPORTS OF TELECOMMUNICATION EQUIPMENT (S.I.C. 3351)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		South Korea		Taiwan		Hong Kong		United Kingdom		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-99	Commercial Communication Equip. nes	428938	213259	49.7	156650	36.5	3863	0.9	8689	2.0	2288	0.5	9577	2.3	34612	8.1
634-19	Telephone app. equip. & pts.	268848	123240	45.8	50718	18.9	33014	12.3	23349	8.7	16186	6.0	3547	1.3	18794	7.0
634-29	Telegraph. app. equip. & pts.	116914	30801	26.4	85191	72.9	-	-	3	-	34	-	18	-	867	0.7
	TOTAL S.I.C. 3351	814700	367300	45.1	292559	35.9	36877	4.5	32041	3.9	18508	2.3	13142	1.6	54273	6.7

Source: Statistics Canada Cat. #65-007

TABLE 5 - 1987 IMPORTS OF COMMUNICATIONS AND OTHER ELECTRONIC EQUIPMENT (S.I.C. 3359)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		South Korea		Sweden		Netherlands		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-90	Radio transm. & receiving units	132113	74560	56.4	25147	19.0	840	0.6	12098	9.2	8039	6.1	-	-	11429	8.7
634-39	Radar equip. & pts. nes	92084	61968	67.3	3268	3.5	14474	15.7	825	0.9	3246	3.5	6964	7.6	1339	1.5
703-78	Comb. meas. & multifunction instrs.	61960	52158	84.2	358	0.6	1499	2.4	-	-	2184	3.5	385	0.6	5376	8.7
634-95	Radio, T.V. broad. & transm. equip.	51862	27167	52.4	19976	38.5	1478	2.8	136	0.3	-	-	64	0.1	3041	5.9
720-59	Alarm & signal systems & pts. nes	44097	34095	77.3	1507	3.5	2164	4.9	1017	2.3	49	0.1	17	-	5248	11.9
634-35	Sonar echo sound. equip. & pts.	27080	22316	82.4	1862	6.9	1205	4.4	31	0.1	24	0.1	-	-	1642	6.1
637-94	Receiving antennae & mount	19304	15246	79.0	1317	6.8	111	0.6	108	0.6	101	0.5	-	-	2421	12.5
	TOTAL S.I.C. 3359	428500	287510	67.1	53435	12.5	21771	5.1	14215	3.3	13643	3.2	7430	1.7	30496	7.1
	plus TOTAL S.I.C. 3351	814700	367300	45.1	292560	35.9	13142	1.6	36877	4.5	11274	1.4	4142	0.5	89405	11.0
	TOTAL Communication Equipment	1243200	654810	52.7	345995	27.8	34913	2.8	51092	4.1	24917	2.0	11572	0.9	119901	9.7

Source: Statistics Canada Cat. #65-007

TABLE 6 - 1987 IMPORTS OF ELECTRONIC PARTS AND COMPONENTS (S.I.C. 3352)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		United Kingdom		South Korea		West Germany		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
638-39	Semi-conductors nes	821458	790687	96.3	5716	0.7	3340	0.4	1362	0.2	68	-	1126	0.1	19159	2.3
638-31	Integrated circuits	513837	427163	83.1	8790	1.7	7506	1.5	16525	3.2	20262	3.9	2689	0.5	30902	6.1
639-99	Electronic equip. components nes	449661	315540	70.2	46330	10.3	13406	3.0	9010	2.0	3708	0.8	7860	1.7	53807	12.0
638-49	Parts of semi-conductors	235622	222453	94.4	2392	1.0	50	-	469	0.2	5	-	9542	4.1	711	0.3
639-10	Capacitors electronic & Pts.	95602	79198	82.8	2717	2.9	1442	1.5	764	0.8	1165	1.2	1983	2.1	8333	8.7
638-33	Semi-conductors, transistor	62836	53503	85.1	667	1.1	138	0.2	852	1.4	42	-	1352	2.2	6282	10.0
639-15	Resistors, electronic & pts.	49746	41141	82.7	2902	5.8	1524	3.1	230	0.5	10	-	236	0.5	3703	7.4
639-55	Printed circuit boards	46136	30229	65.5	1783	3.9	904	2.0	357	0.8	4346	9.4	163	0.3	8354	18.1
638-19	Electronic tubes nes	43904	31543	71.8	5649	12.9	2238	5.1	2064	4.7	-	-	726	1.7	1684	3.8
639-23	Transformers, electronic & pts.	38618	23964	62.1	1256	3.3	1217	3.1	779	2.0	696	1.8	1678	4.3	9028	23.4

Source: Statistics Canada Cat. #65-007

TABLE 6 (cont'd) - 1987 IMPORTS OF ELECTRONIC PARTS AND COMPONENTS (S.I.C. 3352)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		United Kingdom		South Korea		West Germany		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
638-14	T.V. picture tubes	31867	22678	71.2	7346	23.0	84	0.3	-	-	1571	4.9	-	-	188	0.6
638-29	Pts. of electronic tubes nes	21223	5332	25.1	15192	71.6	-	-	158	0.8	-	-	22	0.1	519	2.4
639-30	Power supply units & pts.	20528	13561	66.1	1442	7.0	2028	9.9	841	4.1	61	0.3	166	0.8	2429	11.8
639-40	Microphones & parts	11560	6364	55.1	1974	17.0	811	7.0	70	0.6	168	1.5	1169	10.1	1004	8.7
639-24	Inductors & coils, electronic & pts.	9375	5486	58.5	1635	17.5	308	3.3	31	0.3	171	1.8	58	0.6	1686	18.0
639-20	Crystals, mounted & holder	5251	3399	64.7	1413	26.9	34	0.7	7	0.1	359	6.9	11	0.2	28	0.5
638-16	Electronic receiving tubes	648	573	88.4	74	11.4	-	-	-	-	-	-	-	-	1	0.2
	TOTAL S.I.C. 3352	2457872	2072814	84.3	107278	4.4	35030	1.4	33519	1.4	32632	1.3	28781	1.2	147818	6.0
	TOTAL S.I.C. 3351	814700	367300	45.1	292560	35.9	32041	3.9	13142	1.6	36877	4.5	3000	0.4	69780	8.6
	TOTAL S.I.C. 3359	428500	287510	67.1	53434	12.5	6065	1.4	21772	5.1	14214	3.3	3421	0.8	42084	9.8
	TOTAL S.I.C. 335	3701072	2727624	73.7	453272	12.2	73136	2.0	68433	1.8	83723	2.3	35202	1.0	259682	7.0

Source: Statistics Canada Cat. #65-007

TABLE 7 - 1987 IMPORTS OF ELECTRONIC COMPUTING AND PERIPHERAL EQUIPMENT (S.I.C. 3361)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Mexico		Italy		Ireland		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
771-22	Electronic computers and parts	5093230	4344807	85.3	204760	4.0	100962	2.0	71787	1.4	43319	0.9	43317	0.9	284278	5.5
771-20	Card punch sort & tab machs	3731	2758	73.9	712	19.1	-	-	1	-	3	0.1	-	-	257	6.9
	TOTAL S.I.C. 3361	5096961	4347565	85.3	205472	4.0	100962	2.0	71788	1.4	43322	0.9	43317	0.9	284535	5.5
	TOTAL S.I.C. 3362	205041	103008	50.3	60076	29.3	13028	6.4	89	-	6414	3.1	5	-	22421	10.9
	TOTAL S.I.C. 3369	600362	343962	57.3	164951	27.5	2741	0.5	3202	0.5	6012	1.0	359	-	79135	13.2
	TOTAL S.I.C. 336	5902364	4794535	81.2	430499	7.3	116731	2.0	75079	1.3	55748	0.9	43681	0.7	386091	6.6

Source: Statistics Canada Cat. #65-007

TABLE 8 - 1987 IMPORTS OF ELECTRONIC OFFICE, STORE & BUSINESS MACHINES (S.I.C. 3362)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		West Germany		Italy		United Kingdom		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
771-15	Calculating machs. & pts.	50867	8832	17.4	23609	46.4	12727	25.0	46	0.1	1679	3.3	19	-	3955	7.8
708-90	Scales & balances & pts. nes	44382	30088	67.8	5746	12.9	232	0.5	3599	8.1	35	0.1	1009	2.3	3673	8.3
771-46	Electronic typewriters, word processor	40052	22362	55.8	11130	27.8	69	0.2	1261	3.2	4695	11.7	-	-	535	1.3
771-12	Address mail hand'l mach & pts.	30010	24976	83.2	561	1.9	-	-	941	3.1	-	-	2032	6.8	1500	5.0
771-26	Cash registers	21145	6997	33.1	13998	66.2	-	-	-	-	-	-	41	0.2	109	0.5
771-36	Dictat. transc. mach & pts.	12091	5472	45.3	3354	27.7	-	-	728	6.0	-	-	1	-	2536	21.0
771-28	Pts. for cash registers	4152	2461	59.3	1616	38.9	-	-	38	0.9	4	0.1	-	-	33	0.8
771-40	Duplicating machs & pts.	2183	1661	76.1	62	2.9	-	-	-	-	-	-	418	19.1	42	1.9
771-04	Account, bookkeep. machs & pts.	124	124	100.0	-	-	-	-	-	-	-	-	-	-	-	-
771-08	Adding machs. & pts.	35	33	94.3	-	-	-	-	-	-	-	-	2	5.7	-	-
	TOTAL S.I.C. 3362	205041	103006	50.2	60076	29.3	13028	6.4	6613	3.2	6413	3.1	3522	1.7	12383	6.1
	TOTAL S.I.C. 3361	5096961	4347565	85.3	205472	4.0	100962	2.0	23274	0.5	43322	0.9	36700	0.7	339666	6.6
	TOTAL S.I.C. 3369	600362	343962	57.3	164951	27.5	2741	0.5	14618	2.4	6012	1.0	6287	1.0	61791	10.3
	TOTAL S.I.C. 336	5902364	4794533	81.2	430499	7.3	116731	2.0	44505	0.8	55747	0.9	46509	0.8	413840	7.0

Source: Statistics Canada Cat. #65-007

TABLE 9 - 1987 IMPORTS OF OTHER OFFICE, STORE & BUSINESS MACHINES (S.I.C. 3369)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Netherlands		West Germany		United Kingdom		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
919-47	Photocopy & similar machs. & pts.	414007	218797	52.8	136929	33.1	39764	9.6	5657	1.4	3506	0.8	9	-	9345	2.3
771-48	Typewriters, electric	44228	18158	41.1	21216	48.0	-	-	1997	4.5	-	-	1064	2.4	1793	4.0
730-99	Service ind. equip. & pts. nes	43943	34917	79.5	173	0.4	865	2.0	1613	3.7	726	1.6	433	1.0	5216	11.8
771-99	Office machs. equip. & pts. nes	22241	15021	67.6	1865	8.4	-	-	2432	10.9	714	3.2	6	-	2203	9.9
771-32	Coin handling & rel. mach. & pts.	17858	14008	78.4	1233	6.9	-	-	330	1.9	108	0.6	72	0.4	2107	11.8
730-45	Cold beverage vend. machs. & pts.	15907	15071	94.8	-	-	-	-	102	0.6	469	2.9	265	1.7	-	-
771-60	Pts. attach. & access. for typewriters	12757	4935	38.7	2896	22.7	-	-	695	5.4	68	0.5	3851	30.2	312	2.5
730-40	Coin control devices & pts.	10165	9463	93.1	15	0.1	-	-	565	5.6	-	-	-	-	122	1.2
730-49	Vend. machs. & pts. nes	9482	8408	88.7	17	0.2	10	0.1	95	1.0	665	7.0	51	0.5	236	2.5

Source: Statistics Canada Cat. #65-007

TABLE 9 (cont'd) - 1987 IMPORTS OF OTHER OFFICE, STORE & BUSINESS MACHINES (S.I.C. 3369)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Netherlands		West Germany		United Kingdom		Italy		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
708-20	Hhld. & person weighing scales & pts.	6466	3200	49.5	50	0.8	-	-	846	13.1	26	0.4	-	-	2344	36.2
730-44	Hot beverage vend. machs. & pts.	2400	1866	77.7	-	-	-	-	285	11.9	4	0.2	244	10.2	1	-
771-52	Typewriters, portable nes	805	116	14.4	557	69.2	-	-	1	0.1	-	-	-	-	131	16.3
771-56	Typewriters, standard, non-electric	103	-	-	-	-	-	-	-	-	-	-	18	17.5	85	82.5
	TOTAL S.I.C. 3369	600362	343960	57.3	164951	27.5	40639	6.8	14618	2.4	6286	1.0	6013	1.0	23895	4.0
	TOTAL S.I.C. 3362	205041	103008	50.2	60076	29.3	495	0.3	6612	3.2	3522	1.7	6414	3.1	24914	12.2
	TOTAL S.I.C. 3361	5096961	4347565	85.3	205472	4.0	10172	0.2	23274	0.5	36700	0.7	43322	0.9	430456	8.4
	TOTAL S.I.C. 336	5902364	4794533	81.2	430499	7.3	51306	0.9	44504	0.8	46508	0.8	55749	0.9	479265	8.1

Source: Statistics Canada Cat. #65-007

TABLE 10 - 1987 IMPORTS OF INDICATING, RECORDING & CONTROLLING INSTRUMENTS (S.I.C. 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		West Germany		Japan		Switzerland		Sweden		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
702-90	Electric & electronic meas. instrs. & parts	162453	144133	88.7	4860	3.0	4869	3.0	4556	2.8	328	0.2	243	0.2	3464	2.1
705-90	Lab. instrs. app. & pts. nes	139190	98458	70.7	8175	5.9	8087	5.8	4124	3.0	8865	6.4	4022	2.9	7459	5.3
703-95	Pts. of meas. & control instrs nes	97187	84501	86.9	3510	3.6	1916	2.0	1150	1.2	354	0.4	1221	1.3	4535	4.6
706-09	Physiological monitor equip.	78215	67149	85.9	733	0.9	1625	2.1	1048	1.3	554	0.7	83	0.1	7023	9.0
703-79	Meas. & control. Instrs nes	49780	43024	86.4	987	2.0	1125	2.3	617	1.2	816	1.6	1629	3.3	1582	3.2
703-44	Flow level meas. & control Instrs. & pts.	49487	44587	90.1	922	1.8	1033	2.1	1482	3.0	209	0.4	281	0.6	973	2.0
703-75	Pressure meas. & control. instrs. & pts.	39716	33721	84.9	336	0.8	3524	8.9	87	0.2	36	0.1	38	0.1	1974	5.0
702-17	Elec. prop. meas. instrs. & pts.	33921	26766	78.9	658	1.9	544	1.6	1439	4.3	46	0.1	793	2.4	3675	10.8
702-18	Oscilloscope, oscillograph & pt.	24211	19574	80.8	448	1.9	257	1.1	1467	6.0	55	0.2	-	-	2410	10.0
705-31	Gas chromatography equip. & access.	22554	21193	94.0	605	2.7	222	1.0	72	0.3	-	-	-	-	462	2.0

Source: Statistics Canada Cat. #65-007

TABLE 10 (cont'd) - 1987 IMPORTS OF INDICATING, RECORDING & CONTROLLING INSTRUMENTS (S.I.C. 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		West Germany		Japan		Switzerland		Sweden		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
703-77	PH meas. & gas analysis instrs.	20504	15734	76.7	2122	10.4	417	2.0	1255	6.1	191	0.9	36	0.2	749	3.7
703-28	Thermostats	18029	14625	81.1	363	2.0	354	2.0	307	1.7	2	-	121	0.7	2257	12.5
702-41	Signal generators & test oscillators	17850	14349	80.4	1706	9.6	857	4.8	679	3.8	23	0.1	9	-	227	1.3
703-42	Gas meters & parts	14772	14667	99.4	6	-	1	-	-	-	-	-	1	-	87	0.6
702-22	Elec. prop. record. instr. & pts.	12110	9673	79.9	576	4.7	170	1.4	1160	9.6	11	0.1	47	0.4	473	3.9
703-71	Thermal meas. & control instrs. nes	10886	8535	78.4	241	2.2	52	0.5	612	5.6	7	0.1	749	6.9	690	6.3
703-48	Motion, rotation meas. instrs & pts.	9838	7236	73.5	364	3.7	1199	12.2	364	3.7	28	0.3	40	0.4	607	6.2
703-73	Humidity meas. & control instrs.	5768	4152	72.0	850	14.7	174	3.0	38	0.7	25	0.4	50	0.9	479	8.3
702-04	Amp. volt Ohm/meters punch type	3959	2913	73.6	311	7.8	34	0.9	125	3.2	8	0.2	13	0.3	555	14.0
	TOTAL S.I.C. 3911	810430	675000	83.3	27774	3.4	26458	3.3	20582	2.5	11558	1.4	9377	1.2	39681	4.9

Source: Statistics Canada Cat. #65-007

TABLE 11 - 1987 IMPORTS OF SELECTED OTHER INSTRUMENTS AND RELATED PRODUCTS S.I.C. 3912

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		West Germany		United Kingdom		Netherlands		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
709-09	X-ray & rel. equip. & pts.	170519	75409	44.2	9590	5.6	47960	28.1	4752	2.8	7508	4.4	8872	5.2	16428	9.7
709-49	Physi. prop. test equip. & pts. nes	111424	88815	79.7	3535	3.2	6359	5.7	4610	4.1	810	0.7	99	0.1	7196	6.5
709-94	Geophysical minerl. preap. & equip. & pts.	108622	94779	87.3	808	0.7	174	0.2	2125	2.0	273	0.2	6954	6.4	3509	3.2
709-97	Models for demos. etc. & jets	96955	66332	68.4	5290	5.5	1754	1.8	7683	7.9	10053	10.4	2339	2.4	3504	3.6
709-19	Navigation instr. app. & pts.	90558	80640	89.0	2961	3.3	562	0.6	1601	1.8	262	0.3	1390	1.5	3142	3.5
709-99	Scien. instr. & pts. nes	56127	41531	74.0	1539	2.7	2350	4.2	3568	6.4	1095	2.0	1697	3.0	4347	7.7
709-93	Surveying instr. & pts. nes	25460	12090	47.5	3948	15.5	1698	6.7	1606	6.3	-	-	125	0.5	5993	23.5
703-25	Thermometers	12695	9029	71.1	1456	11.4	325	2.6	248	2.0	16	0.1	87	0.7	1534	12.1
709-95	Nuclear radiation meas. equip. & pts.	10113	7143	70.6	118	1.2	428	4.3	1307	12.9	9	0.1	205	2.0	903	8.9

Source: Statistics Canada Cat. #65-007

TABLE 11 - 1987 IMPORTS OF SELECTED OTHER INSTRUMENTS AND RELATED PRODUCTS S.I.C. 3912

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		West Germany		United Kingdom		Netherlands		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
703-62	Meteorological instr. & pts.	4944	3109	62.9	594	12.0	311	6.3	438	8.9	25	0.5	279	5.6	188	3.8
709-90	Surveying levels	2446	881	36.0	1100	45.0	8	0.3	10	0.4	-	-	-	-	447	18.3
709-91	Surveying transits, theodolites	2108	261	12.4	1149	54.5	31	1.5	-	-	-	-	-	-	667	31.6
	TOTAL	681858	472876	69.4	31970	4.7	61532	9.0	26641	3.9	20042	2.9	21842	3.2	46955	6.9

Source: Statistics Canada Cat. #65-007

EXPORTS

TABLE 12
Leading "Total Export" Classes
1987

Commodity Class No.		Value $ Millions 1987
771-21	Card sort. tab. & computers and parts	2 466.4
638-41	Semi-conductors & parts	818.3
634-19	Telephone apparatus, equipment & parts	755.3
634-99	Commercial communication equipment nes	434.9
639-99	Electronic equipment components nes	352.6
919-99	Photographic equip. & supplies nes	307.6
709-97	Models for demonstration etc. & pts.	202.6
709-19	Navigation instrs. appar. & pts.	176.0
919-59	Photo film & plates, unexposed nes	162.0
709-99	Laboratory instr. equip. & pts. nes	147.4
703-89	Meas. & meas. control instrs. nes	116.5
881-99	Medical & surgical supplies nes	86.2
706-99	Medical & rel. instrs. equip. & pts nes	84.5
634-90	Radio transm-receiving units	82.2
730-99	Service industry equip. & pts. nes	74.0
638-21	Electronic tubes & parts	69.7
639-55	Printed circuit boards	68.2
637-70	Comb. radio-phono sets (exc. pts.)	67.8
634-39	Radar equip. & rel. devices & pts.	60.1
702-90	Electricity-meas. instr. & parts	54.5
637-20	T.V. receiving sets (exc. comb. & pts.)	44.3
709-09	X-ray & related e-uip. & pts.	36.8
709-94	Geophysical equip. & parts nes	30.2
637-90	Phonograph records & blanks	25.4
634-95	Radio, T.V. broad. transm. equip. nes	24.7
703-98	Pts. for meas. & meas. control instr.	22.1
771-99	Office machine & equip. & parts nes	21.3
707-99	Optical instruments & parts	16.6
730-49	Vending machines & parts	16.0
709-49	Physical prop. test. equip. & pts. nes	15.9
634-29	Telegraph appar. equip. & pts.	15.7
639-23	Transformers, electronic & pts.	14.3
911-90	Photo cameras, parts & accessories	10.9
634-45	Sound amplifiers (exc. pts.)	10.6
703-28	Thermostats	7.6

TABLE 13 - TOTAL EXPORTS 1987 -
SIGNIFICANT MARKETS, BY SECTOR

($ Millions)

Country	Computing and Peripheral				Other Office and Store Machines				Telecommunication Equipment				Electronic Components			
	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987
U.S.A.	1370	1479	1506	1959	100	77	81	93	788	831	724	687	816	1006	988	1122
United Kingdom	79	64	51	65	3	3	3	3	64	48	41	56	26	26	28	34
West Germany	17	20	15	28	1	1	1	1	14	6	7	10	8	10	10	8
Netherlands	43	45	62	116	1	1	1	2	5	1	6	7	2	2	2	2
South Korea	11	2	6	6	-	-	-	-	11	21	22	17	23	20	15	16
Ireland	13	15	26	40	-	-	-	-	34	30	19	30	1	1	-	1
France	27	32	23	31	1	1	1	-	3	2	3	2	21	19	31	30
Japan	26	25	26	24	1	1	1	1	13	11	5	8	13	10	14	12
Saudi Arabia	2	5	7	7	-	-	-	-	5	6	7	3	1	1	-	-
Australia	17	27	17	14	3	2	2	3	3	14	9	11	4	5	7	9
Turkey	-	-	3	1	-	-	-	1	90	113	137	140	-	-	1	-
Malaysia	2	3	2	-	-	-	-	-	13	7	5	4	-	-	2	2
Mexico	6	5	8	6	1	-	-	-	4	4	3	1	2	2	2	6
New Zealand	5	6	1	6	-	-	-	-	8	19	12	8	1	-	-	-
Hong Kong	8	6	12	18	-	-	-	2	11	14	14	16	13	12	9	11
All Industries	1747	1859	1867	2466	118	93	100	116	1304	1351	1177	1206	990	1168	1163	1331

Country	Other Electronic Communication Equip.				Instruments				Radios, Televisions & Record Players			
	1984	1985	1986	1987	1984	1985	1986	1987	1984	1985	1986	1987
U.S.A.	167	173	100	132	124	150	151	152	179	198	191	124
United Kingdom	8	5	2	7	7	6	5	6	-	-	-	1
West Germany	1	2	1	2	2	2	4	3	-	-	-	1
Netherlands	1	1	1	-	2	2	3	3	-	-	1	3
South Korea	12	3	27	-	-	-	-	1	-	-	-	-
Ireland	-	-	-	-	1	-	-	-	-	-	-	-
France	1	1	1	1	1	1	1	-	-	-	-	-
Japan	1	2	3	4	2	4	5	4	-	-	-	1
Saudi Arabia	27	3	1	1	1	1	1	-	-	-	-	-
Australia	2	1	2	5	3	3	2	3	-	-	-	-
Turkey	-	-	-	-	-	-	-	1	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	1	2	1	-	1	3	6	2	1	-	-	-
New Zealand	-	-	-	-	-	1	-	-	-	-	-	-
Hong Kong	-	1	-	-	1	1	1	-	-	-	-	-
All Industries	245	213	153	178	170	198	213	203	185	206	200	145

TABLE 14 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF RECORD PLAYERS, RADIO AND TELEVISION RECEIVERS, (S.I.C. 3341)

Class No.	Commodity	Total	Country of Destination													
			United States		Italy		Sweden		Netherlands		Switzerland		Finland		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
637-70	Comb. radio-phonograph sets															
	Domestic Exports	63674	63637	99.9	-	-	-	-	-	-	-	-	-	-	37	0.1
	Re-Exports	4085	3996	97.8	-	-	-	-	-	-	-	-	-	-	89	2.2
637-20	T.V. receivers exc. comb.															
	Domestic Exports	43990	41770	95.0	-	-	-	-	-	-	-	-	-	-	2220	5.0
	Re-Exports	336	312	92.9	5	1.5	-	-	-	-	-	-	-	-	19	5.6
637-90	Phonograph records blanks															
	Domestic Exports	24615	6504	26.4	3393	13.8	2812	11.4	2537	10.3	1884	7.7	1810	7.4	5675	23.0
	Re-Exports	793	747	94.2	-	-	-	-	-	-	-	-	-	-	46	5.8
637-99	Phono & receiving antennae															
	Domestic Exports	4361	3679	84.4	-	-	132	3.0	-	-	-	-	-	-	550	12.6
	Re-Exports	1147	1126	98.2	-	-	-	-	-	-	-	-	-	-	21	1.8
637-49	Radio receivers															
	Domestic Exports	454	355	78.2	-	-	-	-	-	-	-	-	-	-	99	21.8
	Re-Exports	1674	1313	78.4	-	-	-	-	-	-	-	-	-	-	361	21.6
639-60	T.V., radio, phono, set chassis															
	Domestic Exports	91	82	90.1	-	-	-	-	-	-	-	-	-	-	9	9.9
	Re-Exports	106	106	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Total S.I.C. 3341															
	Domestic Exports	137185	116027	84.6	3393	2.5	2944	2.1	2537	1.8	1884	1.4	1810	1.3	8590	6.3
	Re-Exports	8141	7600	93.4	5	-	-	-	-	-	-	-	-	-	536	6.6
	Total Exports	145326	123627	85.1	3398	2.3	2944	2.0	2537	1.7	1884	1.3	1810	1.3	9126	6.3

Source: Statistics Canada Cat. #65-004

TABLE 15 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF TELECOMMUNICATION EQUIPMENT, (S.I.C. 3351)

Class No.	Commodity	Total	Country of Destination													
			United States		Turkey		United Kingdom		Ireland		Puerto Rico		Hong Kong		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-19	Telephone app. equip. pts.															
	Domestic Exports	742091	418611	56.4	131394	17.7	26785	3.6	28123	3.8	25238	3.4	12100	1.6	99840	13.5
	Re-Exports	13254	10380	78.3	-	-	815	6.1	73	0.6	47	0.4	162	1.2	1777	13.4
634-99	Commercial comms. equip. nes															
	Domestic Exports	385033	219638	57.0	8399	2.2	20894	5.4	1480	0.4	729	0.2	3779	1.0	130114	33.8
	Re-Exports	49914	33094	66.3	23	-	5004	10.0	2	-	1	-	164	0.3	11626	23.4
634-29	Telegraph app. equip. & pts.															
	Domestic Exports	13352	4164	31.2	-	-	2141	16.0	-	-	-	-	-	-	7047	52.8
	Re-Exports	2383	1034	43.4	-	-	246	10.3	-	-	-	-	-	-	1103	46.3
	Total S.I.C. 3351															
	Domestic Exports	1140476	642413	56.3	139793	12.3	49820	4.4	29603	2.6	25967	2.2	15879	1.4	237001	20.8
	Re-Exports	65551	44508	67.9	23	-	6065	9.3	75	0.1	48	0.1	326	0.5	14506	22.1
	Total Exports	1206027	686921	57.0	139816	11.6	55885	4.6	29678	2.5	26015	2.2	16205	1.3	251507	20.8
	Total S.I.C. 3352															
	Domestic Exports	1116093	932526	83.6	93	-	27512	2.4	1049	0.1	770	0.1	9923	0.9	144220	12.9
	Re-Exports	214486	189221	88.2	11	-	6959	3.2	119	0.1	190	0.1	1535	0.7	16451	7.7
	Total Export	1330579	1121747	84.3	104	-	34471	2.6	1168	0.1	960	0.1	11458	0.9	160671	12.0
	Total S.I.C. 3359															
	Domestic Exports	162527	121529	74.8	-	-	5885	3.6	3	-	103	0.1	120	0.1	34887	21.4
	Re-Exports	15099	10813	71.6	-	-	698	4.6	-	-	1	-	3	-	3584	23.8
	Total Exports	177626	132342	74.5	-	-	6583	3.7	3	-	104	0.1	123	0.1	38471	21.6
	Total S.I.C. 335															
	Domestic Exports	2419096	1696468	70.1	139886	5.8	83217	3.4	30655	1.3	26840	1.1	25922	1.1	416108	17.2
	Re-Exports	295136	244542	82.9	34	-	13722	4.6	194	0.1	239	0.1	1864	0.6	34541	11.7
	Total Exports	2714232	1941010	71.5	139920	5.2	96939	3.6	30849	1.1	27079	1.0	27786	1.0	450649	16.6

Source: Statistics Canada Cat.#65-004

TABLE 16 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF OTHER COMMUNICATION & ELECTRONIC EQUIPMENT, (S.I.C. 3359)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Italy		Australia		Japan		China Communist		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
634-90	Radio transm.-receiving units															
	Domestic Exports	79994	65438	81.8	525	0.7	114	0.1	2904	3.6	945	1.2	2442	3.1	7626	9.5
	Re-Exports	2206	1833	83.1	2	0.1	65	2.9	48	2.2	38	1.7	-	-	220	10.0
634-39	Radar equip. rel. devices & pts.															
	Domestic Exports	51784	35817	69.2	2755	5.3	4782	9.2	885	1.7	1084	2.1	242	0.5	6219	12.0
	Re-Exports	8337	4725	56.6	648	7.8	1318	15.8	32	0.4	1215	14.6	-	-	399	4.8
634-95	Radio T.V. broadc. transm. equip. nes															
	Domestic Exports	21135	13860	65.6	1377	6.5	220	1.0	630	3.0	352	1.7	11	-	4685	22.2
	Re-Exports	3551	3296	92.8	43	1.2	-	-	-	-	10	0.3	-	-	202	5.7
634-45	Sound amplifiers (exc. pts.)															
	Domestic Exports	9614	6413	66.7	1228	12.8	125	1.3	29	0.3	368	3.8	-	-	1451	15.1
	Re-Exports	1005	959	95.4	4	0.4	1	0.1	-	-	-	-	-	-	41	4.1
	Total S.I.C. 3359															
	Domestic Exports	162527	121528	74.8	5885	3.6	5241	3.2	4448	2.7	2749	1.7	2695	1.7	19981	12.3
	Re-Exports	15099	10813	71.6	697	4.6	1384	9.2	80	0.5	1263	8.4	-	-	862	5.7
	Total Exports	177626	132341	74.5	6582	3.7	6625	3.7	4528	2.6	4012	2.3	2695	1.5	20843	11.7
	Total S.I.C. 3351															
	Domestic Exports	1140476	642413	56.3	49820	4.4	10464	0.9	11027	1.0	6731	0.6	9095	0.8	410926	36.0
	Re-Exports	65551	44508	67.9	6065	9.3	36	0.1	292	0.4	1337	2.0	18	-	13295	20.3
	Total Exports	1206027	686921	57.0	55885	4.6	10500	0.9	11319	0.9	8068	0.7	9113	0.7	424221	35.2
	Total Communication Equip.															
	Domestic Exports	1303003	763941	58.6	55705	4.3	15705	1.2	15475	1.2	9480	0.7	11790	0.9	430907	33.1
	Re-Exports	80650	55321	68.6	6762	8.4	1420	1.8	372	0.5	2600	3.2	18	-	14157	17.5
	Total Exports	1383653	819262	59.2	62467	4.5	17125	1.2	15847	1.1	12080	0.9	11808	0.9	445064	32.2

Source: Statistics Canada Cat. #65-004

TABLE 17 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRONIC PARTS AND COMPONENTS (S.I.C. 3352)

Class No.	Commodity	Total	Country of Destination													
			United States		France		United Kingdom		Brazil		South Korea		Singapore		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
638-41	Semi-conductors & parts															
	Domestic Exports	649166	575710	88.7	26296	4.1	7321	1.1	134	-	14309	2.2	322	-	25074	3.9
	Re-Exports	169143	151022	89.3	484	0.3	5676	3.4	35	-	50	-	288	0.2	11588	6.8
639-99	Electronic equip. component nes															
	Domestic Exports	317608	244443	77.0	2713	0.9	12556	4.0	20937	6.6	1133	0.3	848	0.2	34978	11.0
	Re-Exports	34957	29066	83.1	294	0.8	928	2.7	12	-	70	0.2	119	0.4	4468	12.8
638-21	Electronic tubes & pts.															
	Domestic Exports	67413	40833	60.6	376	0.6	2555	3.8	-	-	168	0.2	12147	18.0	11334	16.8
	Re-Exports	2279	1807	79.3	62	2.7	266	11.7	-	-	11	0.5	-	-	133	5.8
639-55	Printed circuit boards															
	Domestic Exports	62228	53933	86.7	243	0.4	4535	7.3	21	-	57	0.1	109	0.2	3330	5.3
	Re-Exports	5941	5289	89.0	-	-	30	0.5	-	-	104	1.8	-	-	518	8.7
639-23	Transformers, electronic & pts.															
	Domestic Exports	13741	12036	87.6	2	-	508	3.7	-	-	129	0.9	8	-	1058	7.8
	Re-Exports	564	544	96.4	1	0.2	1	0.2	-	-	-	-	2	0.4	16	2.8
639-15	Resistors, electronic & pts.															
	Domestic Exports	5937	5571	93.8	3	0.1	36	0.6	-	-	-	-	3	0.1	324	5.4
	Re-Exports	1602	1492	93.1	15	0.9	59	3.7	-	-	-	-	1	-	36	2.3
	Total S.I.C. 3352															
	Domestic Exports	1116093	932526	83.5	29633	2.7	27511	2.5	21092	1.9	15796	1.4	13437	1.2	76098	6.8
	Re-Exports	214486	189220	88.2	856	0.4	6960	3.3	47	-	235	0.1	409	0.2	16759	7.8
	Total Exports	1330579	1121746	84.3	30489	2.3	34471	2.6	21139	1.6	16031	1.2	13846	1.0	92857	7.0

Source: Statistics Canada Cat. #65-004

TABLE 18 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRONIC COMPUTING & PERIPHERAL EQUIPMENT (S.I.C. 3361)

Class No.	Commodity	Total	Country of Destination													
			United States		Netherlands		United Kingdom		Ireland		France		West Germany		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
771-21	Electronic computers and card punch., sort., tab. & pts.															
	Total S.I.C. 3361															
	Domestic Exports	2011175	1571208	78.1	107127	5.3	56659	2.8	40166	2.0	25251	1.3	21569	1.1	189195	9.4
	Re-Exports	455240	388030	85.2	8892	2.0	8725	1.9	303	0.1	5881	1.3	6320	1.4	37089	8.1
	Total Exports	2466415	1959238	79.4	116019	4.7	65384	2.7	40469	1.6	31132	1.3	27889	1.1	226284	9.2
	Total S.I.C. 3369															
	Domestic Exports	99391	79094	79.6	893	0.9	3113	3.1	88	0.1	1451	1.5	625	0.6	14127	14.2
	Re-Exports	16460	13480	81.9	649	3.9	115	0.7	-	-	97	0.6	262	1.6	1857	11.3
	Total Exports	115851	92574	79.9	1542	1.3	3228	2.8	88	0.1	1548	1.3	887	0.8	15984	13.8
	Total S.I.C. 336															
	Domestic Exports	2110566	1650302	78.2	108020	5.1	59772	2.8	40254	1.9	26702	1.3	22194	1.1	203322	9.6
	Re-Exports	471700	401510	85.1	9541	2.0	8840	1.9	303	0.1	5978	1.3	6582	1.4	38946	8.2
	Total Exports	2582266	2051812	79.5	117561	4.6	68612	2.6	40557	1.6	32680	1.2	28776	1.1	242268	9.4

Source: Statistics Canada Cat. #65-004

TABLE 19 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF OTHER OFFICE, STORE & BUSINESS MACHINES (S.I.C. 3369)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Australia		France		Belgium/ Luxembourg		Japan		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
730-99	Service ind. equip. & ptsr nes															
	Domestic Exports	65604	55663	84.8	835	1.3	603	0.9	346	0.5	1091	1.7	650	1.0	6416	9.8
	Re-Exports	8423	6697	79.5	77	0.9	3	-	88	1.1	8	0.1	-	-	1550	18.4
771-99	Office mach. & parts															
	Domestic Exports	18593	11592	62.3	1526	8.2	1268	6.8	1061	5.7	221	1.2	12	0.1	2913	15.7
	Re-Exports	2751	2477	90.0	35	1.3	13	0.5	-	-	-	-	53	1.9	173	6.3
730-49	Vending mach. & pts.															
	Domestic Exports	13623	10737	78.8	631	4.6	-	-	1	-	-	-	408	3.0	1846	13.6
	Re-Exports	2358	2358	100.0	-	-	-	-	-	-	-	-	-	-	-	-
771-60	Pts. att. access for typewriters															
	Domestic Exports	790	515	65.2	-	-	16	2.0	43	5.5	-	-	4	0.5	212	26.8
	Re-Exports	1957	985	50.3	3	0.2	1	0.1	9	0.4	-	-	-	-	959	49.0
771-48	Typewriters, electric															
	Domestic Exports	605	529	87.4	61	10.1	-	-	-	-	-	-	-	-	15	2.5
	Re-Exports	578	572	99.0	-	-	-	-	-	-	-	-	-	-	6	1.0
771-59	Typewriter, nes															
	Domestic Exports	98	58	59.2	-	-	-	-	-	-	-	-	-	-	40	40.8
	Re-Exports	203	203	100.0	-	-	-	-	-	-	-	-	-	-	-	-
771-52	Typewriters, portables nes															
	Domestic Exports	78	-	-	60	76.9	-	-	-	-	-	-	-	-	18	23.1
	Re-Exports	190	188	98.9	-	-	-	-	-	-	-	-	-	-	2	1.1
	Total S.I.C. 3369															
	Domestic Exports	99391	79094	79.6	3113	3.1	1887	1.9	1451	1.5	1312	1.3	1074	1.1	11460	11.5
	Re-Exports	16460	13480	81.9	115	0.7	17	0.1	97	0.6	8	0.1	53	0.3	2690	16.3
	Total Exports	115851	92574	79.9	3228	2.8	1904	1.7	1548	1.3	1320	1.1	1127	1.0	14150	12.2

Source: Statistics Canada Cat. #65-004

TABLE 20 - 1987 DOMESTIC EXPORTS AND RE-EXPORTS OF INDICATING RECORDING AND CONTROLLING INSTRUMENTS (S.I.C. 3911)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Japan		Australia		West Germany		Netherlands		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
703-89	Meas. & meas. control. instrs nes															
	Domestic Exports	97502	70071	71.9	3648	3.7	2668	2.7	2577	2.7	1581	1.6	1531	1.6	15426	15.8
	Re-Exports	19033	17377	91.3	277	1.5	137	0.7	14	0.1	230	1.2	30	0.2	968	5.0
702-90	Electricity meas. instrs. & pts.															
	Domestic Exports	38957	24653	63.3	1072	2.7	703	1.8	462	1.2	652	1.7	269	0.7	11146	28.6
	Re-Exports	15590	14278	91.6	359	2.3	48	0.3	10	0.1	232	1.5	69	0.4	594	3.8
703-98	Pts. for meas. control instrs. nes															
	Domestic Exports	17607	13511	76.7	614	3.5	771	4.4	199	1.1	238	1.4	174	1.0	2100	11.9
	Re-Exports	4514	4151	92.0	11	0.2	17	0.4	15	0.3	223	4.9	4	0.1	93	2.1
703-28	Thermostats															
	Domestic Exports	7279	5955	81.8	85	1.2	2	-	74	0.1	84	1.2	454	6.2	625	8.6
	Re-Exports	369	362	98.1	-	-	-	-	-	-	-	-	-	-	7	1.9
703-71	Thermal meas. control. instrs nes															
	Domestic Exports	1526	1158	75.9	7	0.5	45	3.0	25	1.6	28	1.8	28	1.8	235	15.4
	Re-Exports	422	355	84.1	-	-	-	-	-	-	2	0.5	-	-	65	15.4
	Total S.I.C. 3911															
	Domestic exports	162871	115348	70.8	5426	3.3	4189	2.6	3337	2.1	2583	1.6	2456	1.5	29532	18.1
	Re-Exports	39928	36523	91.5	647	1.6	202	0.5	39	0.1	687	1.7	103	0.3	1727	4.3
	Total Exports	202799	151871	74.9	6073	3.0	4391	2.2	3376	1.6	3270	1.6	2559	1.3	31259	15.4

Source: Statistics Canada Cat. #65-004

TABLE 21 - DOMESTIC EXPORTS AND RE-EXPORTS OF SELECTED OTHER INSTRUMENTS AND RELATED PRODUCTS S.I.C. 3912

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		Netherlands		Japan		West Germany		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
709-97	Models for demos etc. & pts.															
	Domestic Exports	194094	142522	73.4	7050	3.6	10639	5.5	20232	10.4	2443	1.3	37	-	11171	5.8
	Re-Exports	8555	3848	45.0	15	0.2	775	9.1	7	0.1	14	0.2	8	0.1	3888	45.5
709-19	Navigation instrs. app. & pts.															
	Domestic Exports	169499	126200	74.5	13682	8.1	1735	1.0	3368	2.0	4068	2.4	3922	2.3	16524	9.7
	Re-Exports	6473	3971	61.3	894	13.8	4	0.1	107	1.7	511	7.9	67	1.0	919	14.2
709-99	Lab. instrs. equip. & pts. nes															
	Domestic Exports	119534	78768	65.9	6755	5.7	891	0.8	5300	4.4	3253	2.7	1177	1.0	23390	19.5
	Re-Exports	27826	24075	86.5	572	2.1	40	0.1	271	1.0	362	1.3	149	0.5	2357	8.5
709-09	X-ray & rel. equip. & pts.															
	Domestic Exports	32246	20960	65.0	998	3.1	14	-	63	0.2	747	2.3	727	2.3	8737	27.1
	Re-Exports	4513	3693	81.8	53	1.2	117	2.6	175	3.9	148	3.3	241	5.3	86	1.9
709-94	Geophysical mineral prosp. equip.															
	Domestic Exports	24378	10169	41.7	941	3.9	203	0.8	367	1.5	580	2.4	344	1.4	11774	48.3
	Re-Exports	5819	5106	87.8	14	0.2	2	-	-	-	-	-	5	0.1	692	11.9

Source: Statistics Canada Cat. #65-004

TABLE 21 - DOMESTIC EXPORTS AND RE-EXPORTS OF SELECTED OTHER INSTRUMENTS AND RELATED PRODUCTS S.I.C. 3912

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		Netherlands		Japan		West Germany		France		Others	
		'000$	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total	'000$	% of total
709-49	Physical prop. test. equip. & pts. nes															
	Domestic Exports	13076	8236	63.0	269	2.1	8	0.1	247	1.9	120	0.9	420	3.2	3776	28.8
	Re-Exports	2807	2299	81.9	211	7.5	-	-	7	0.3	45	1.6	-	-	245	8.7
	TOTAL															
	Domestic Exports	552827	386855	70.0	29695	5.4	13490	2.4	29577	5.4	11211	2.0	6627	1.2	75372	13.6
	Re-Exports	55993	42992	76.8	1759	3.1	938	1.7	567	1.0	1080	1.9	470	0.8	8187	14.6
	Total Exports	608820	429847	70.6	31454	5.2	14428	2.4	30144	5.0	12291	2.0	7097	1.2	83559	13.7

Source: Statistics Canada Cat. #65-004

COMPUTER SERVICE INDUSTRY

1986 - COMPUTER SERVICES INDUSTRY - S.I.C. 772

	Computer Services Companies 1 ($000)
Number of Establishments	3,784
Employment	34,792
Revenues Within Canada	2,639,132
Revenues Outside of Canada	182,030
Total Operating Revenues	2,821,162
Revenues by Type of Service	
Software Products Development	216,022
Professional Services	786,906
Turnkey Systems	105,413
Processing Services	942,451
Sale of Hardware	356,449
Rental of Hardware	227,839
Repair and Maintenance of Hardware	41,444
Other Operating Revenue	144,637

Source: Statistics Canada - Cat. 63-222, Preliminary Release - June, 1988

Note 1: Includes EDP Hardware, Lease/Rental Companies whose major revenue source is derived from services.

2: Not directly comparable to 1985 publication due to survey changes.

SURVEY OF THE APPLICATION OF ADVANCED MANUFACTURING TECHNOLOGIES IN INDUSTRY - JUNE 1987

INTRODUCTION

A survey of the use and planned use of advanced technologies in manufacturing establishments was conducted in June, 1987, as part of the monthly Survey of Shipments, Inventories and Orders. The survey covered all manufacturing industries and the responding establishments accounted for 51 percent ($128 billion) of the estimated value of 1986 shipments for manufacturing.

The survey's target population was chosen from the strata of large and medium-sized establishments of the sample of the survey of Shipments, Inventories and Orders[1], where size is based on the annual value of shipments.

How Returns are Reported

Respondents indicated both the use and planned use of the selected technologies and specified five establishment characteristics.

The results are reported in two ways. In the first, the value of the 1986 shipments from establishments giving a particular answer to a question is expressed as a percentage of the value of 1986 shipments from all establishments which responded to the question. In the second way, the number of establishments which give a particular answer is expressed as a percentage of the total number of establishments which responded to the question.

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[1] The sample of the Shipments, Inventories and Orders Survey is described in Catalogue 31-001.

TABLE 1 - PERCENTAGE OF 1986 SHIPMENTS FROM RESPONDING ESTABLISHMENTS IN THE INDUSTRY, WHICH CAME FROM ESTABLISHMENTS USING THE TECHNOLOGY

Industry	TECHNOLOGY GROUPS																	
	Design and Engineering			Fabrication and Assembly						Automated Material Handling		Inspection, Sensor and Testing Equip.		Communications and Control				
	Technology																	
Technology:	1.1	1.2	1.3	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	4.1	4.2	5.1	5.2	5.3	5.4	5.5
Food, beverages, tobacco	16	8	10	16	16	17	6	11	9	11	4	30	25	16	18	17	51	28
Rubber and plastics	47	19	23	16	17	10	3	14	8	6	6	44	31	48	50	43	64	50
Leather, textiles, clothing	32	13	9	21	18	13	1	3	2	6	4	19	14	22	23	21	28	27
Wood	19	21	15	21	17	17	10	6	2	17	5	31	21	18	15	17	54	39
Furniture and fixture	12	4	4	23	5	7	4	9	8	X	X	2	X	11	15	18	17	13
Paper and allied products	30	12	13	22	9	5	4	10	2	14	7	59	48	31	33	30	69	62
Printing, publishing and allied	16	11	12	19	6	8	8	1	--	7	5	15	X	23	16	15	29	21
Primary metal	64	34	17	52	41	19	15	31	34	37	5	72	52	68	62	43	89	83
Fabricated metal products	35	23	15	42	19	17	5	10	8	7	5	23	22	20	26	24	46	29
Machinery	52	28	24	72	16	18	11	10	23	11	3	22	30	27	20	27	49	23
Transportation equipment	60	37	33	48	32	28	20	69	76	29	53	86	87	40	58	84	92	72
Electrical and electronic products	61	37	34	42	33	24	17	29	11	12	7	58	59	52	37	32	54	42
Non-metallic mineral products	22	8	7	26	15	15	2	19	6	13	9	40	19	27	31	20	60	35
Petroleum and chemicals	46	3	21	7	8	4	1	14	3	7	1	45	50	43	42	46	74	59
Other manufacturing	27	10	3	22	14	5	1	14	8	X	X	31	28	19	21	18	37	22
All manufacturing	41	19	19	30	20	16	9	26	23	16	15	50	46	34	38	41	66	51

-- = amount too small to be expressed
X = data confidential, to meet the secrecy requirements of the Statistics Act

TABLE 2 - PERCENTAGE OF 1986 SHIPMENTS FROM RESPONDING ESTABLISHMENTS IN THE INDUSTRY, WHICH CAME FROM ESTABLISHMENTS USING AT LEAST ONE OF THE TECHNOLOGIES IN A TECHNOLOGY GROUP

Industry	TECHNOLOGY GROUPS				
	Design and Engineering	Fabrication and Assembly	Automated Material Handling	Inspection, Sensor and Testing Equipment	Communications and Control
Food, beverages, tobacco	22	31	12	33	56
Rubber and plastics	48	38	10	47	73
Leather, textiles, clothing	34	30	9	20	43
Wood	30	34	18	35	61
Furniture and fixture	14	34	X	2	34
Paper and allied products	41	28	17	64	74
Printing, publishing and allied	24	28	9	15	40
Primary metal	66	65	39	73	91
Fabricated metal products	41	52	7	26	56
Machinery	60	75	13	34	64
Transportation equipment	62	92	53	89	94
Electrical and electronic products	63	68	14	61	80
Non-metallic mineral products	27	41	19	41	67
Petroleum and chemicals	48	29	7	53	79
Other manufacturing	27	28	X	32	50
All manufacturing	45	50	23	54	73

X = data confidential, to meet the secrecy requirements of the Statistics Act

TABLE 3 - PERCENTAGE OF 1986 SHIPMENTS FROM ESTABLISHMENT IN THE INDUSTRY, WHICH CAME FROM ESTABLISHMENTS USING, OR PLANNING TO USE AT LEAST ONE OF THE TECHNOLOGIES

Industry	ALL TECHNOLOGIES			
	Use of at Least One Technology		Planned Use of at Least One Technology	
	For Production and Evaluation	For Evaluation only	In Two Years	In Five Years
Food, beverages, tobacco	64	1	4	4
Rubber and plastics	82	2	5	2
Leather, textiles, clothing	62	1	7	3
Wood	69	2	8	1
Furniture and fixture	51	1	16	4
Paper and allied products	83	1	4	--
Printing, publishing and allied	57	--	4	1
Primary metal	95	--	--	--
Fabricated metal products	74	1	5	4
Machinery	85	1	4	1
Transportation equipment	97	--	--	--
Electrical and electronic products	87	--	2	--
Non-metallic mineral products	81	3	3	2
Petroleum and chemicals	85	--	2	--
Other manufacturing	66	1	5	2
All manufacturing	81	1	3	2

-- = amount too small to be expressed

TABLE 4 - PERCENTAGE OF RESPONDING ESTABLISHMENTS IN THE INDUSTRY WHICH USED THE TECHNOLOGY

Industry	TECHNOLOGY GROUPS																
	Design and Engineering			Fabrication and Assembly						Automated Material Handling		Inspection, Sensor and Testing Equip.		Communications and Control			
Technology:	Technology																
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	4.1	4.2	5.1	5.2	5.3	5.4	5.5
Food, beverages, tobacco	9	7	7	10	9	8	2	4	3	7	2	16	13	11	11	12	32	15
Rubber and plastics	22	10	9	17	13	7	3	11	7	7	6	23	17	22	22	19	39	20
Leather, textiles, clothing	15	9	6	13	5	4	1	3	1	3	2	5	4	9	9	6	11	10
Wood	13	12	8	14	9	9	6	4	2	9	3	15	10	9	8	10	27	19
Furniture and fixture	8	3	4	12	5	3	2	6	2	--	--	2	1	8	7	9	8	9
Paper and allied products	14	9	11	19	7	4	3	6	3	9	8	35	25	19	20	20	43	36
Printing, publishing and allied	16	10	6	15	5	5	7	2	--	4	2	11	6	10	6	9	13	10
Primary metal	32	18	10	24	12	9	4	15	8	8	3	35	30	31	30	31	56	40
Fabricated metal products	20	11	6	29	7	6	3	5	3	3	2	10	10	11	11	10	21	11
Machinery	38	20	12	49	11	9	5	4	7	3	2	15	18	15	12	14	26	15
Transportation equipment	35	22	13	35	18	15	7	23	17	4	5	31	31	21	21	34	42	29
Electrical and electronic products	43	19	19	34	14	11	6	13	6	7	6	30	30	29	26	17	38	22
Non-metallic mineral products	14	10	6	21	15	12	2	11	3	15	5	18	10	13	14	10	33	18
Petroleum and chemicals	18	5	7	12	8	6	1	7	2	9	2	24	24	19	18	14	35	25
Other manufacturing	13	6	4	13	4	3	2	4	1	2	--	8	7	7	9	6	12	6
All manufacturing	18	10	8	19	9	7	3	6	3	6	3	15	13	13	13	12	25	16

-- = amount too small to be expressed

TABLE 5 - PERCENTAGE OF RESPONDING ESTABLISHMENTS IN THE INDUSTRY WHICH USED AT LEAST ONE OF THE TECHNOLOGIES IN A TECHNOLOGY GROUP

Industry	TECHNOLOGY GROUPS				
	Design and Engineering	Fabrication and Assembly	Automated Material Handling	Inspection, Sensor and Testing Equipment	Communications and Control
Food, beverages, tobacco	14	19	7	17	38
Rubber and plastics	24	32	10	26	47
Leather, textiles, clothing	17	18	4	5	20
Wood	21	22	9	16	33
Furniture and fixture	9	19	--	2	20
Paper and allied products	23	24	13	36	53
Printing, publishing and allied	21	22	5	11	24
Primary metal	35	34	9	39	68
Fabricated metal products	24	33	3	13	31
Machinery	41	52	4	20	41
Transportation equipment	39	50	6	36	54
Electrical and electronic products	48	44	10	33	57
Non-metallic mineral products	19	36	17	19	40
Petroleum and chemicals	21	20	9	29	45
Other manufacturing	15	18	2	9	20
All manufacturing	22	27	7	17	35

— = amount too small to be expressed

TABLE 6 - PERCENTAGE OF ESTABLISHMENTS IN THE INDUSTRY, USING OR PLANNING TO USE AT LEAST ONE OF THE TECHNOLOGIES

Industry	ALL TECHNOLOGIES			
	Use of at Least One Technology		Planned Use of at Least One Technology	
	For Production and Evaluation	For Evaluation only	In Two Years	In Five Years
Food, beverages, tobacco	46	1	6	5
Rubber and plastics	60	2	7	3
Leather, textiles, clothing	37	1	8	5
Wood	45	1	9	3
Furniture and fixture	32	2	13	6
Paper and allied products	64	1	6	1
Printing, publishing and allied	47	1	4	2
Primary metal	75	--	3	4
Fabricated metal products	51	2	8	7
Machinery	66	2	9	4
Transportation equipment	64	--	6	5
Electrical and electronic products	73	--	8	2
Non-metallic mineral products	61	2	5	4
Petroleum and chemicals	57	3	8	3
Other manufacturing	37	2	10	5
All manufacturing	50	1	7	4

-- = amount too small to be expressed

TABLE 7 - PERCENTAGE OF 1986 SHIPMENTS FROM RESPONDING ESTABLISHMENTS IN THE PROVINCE, WHICH CAME FROM ESTABLISHMENTS USING THE TECHNOLOGY

Industry	TECHNOLOGY GROUPS																		
	Design and Engineering			Fabrication and Assembly						Automated Material Handling		Inspection, Sensor and Testing Equip.		Communications and Control				
Technology:	1.1	1.2	1.3	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	4.1	4.2	5.1	5.2	5.3	5.4	5.5
Newfoundland	X	X	X	49	15	X	X	X	X	11	X	X	63	X	-	15	X	X
Prince Edward Island	X	X	X	35	X	-	X	-	-	-	-	X	-	X	-	-	X	-
Nova Scotia	50	24	27	6	6	1	-	2	-	X	2	41	29	33	38	33	64	41
New Brunswick	7	5	11	6	6	6	X	2	X	X	X	9	3	62	13	13	77	X
Quebec	39	19	17	24	13	11	8	20	14	10	10	46	39	26	35	29	52	41
Ontario	46	22	21	38	28	22	12	34	35	23	22	57	55	38	42	53	75	60
Manitoba	32	11	12	26	4	4	9	10	X	13	X	20	11	26	14	11	42	24
Saskatchewan	31	15	13	35	X	X	3	X	X	16	X	31	23	24	16	18	65	57
Alberta	43	6	32	5	5	4	2	32	X	3	3	47	44	43	41	40	55	40
British Columbia	28	18	13	20	13	13	5	3	6	11	3	47	41	32	29	26	64	51
All provinces	41	19	19	30	20	16	9	26	23	16	15	50	46	34	38	41	66	51

- = nil or zero
X = data confidential, to meet the secrecy requirements of the Statistics Act

TABLE 8 - PERCENTAGE OF 1986 SHIPMENTS FROM RESPONDING ESTABLISHMENTS IN THE PROVINCE, WHICH CAME FROM ESTABLISHMENTS USING AT LEAST ONE OF THE TECHNOLOGIES IN A TECHNOLOGY GROUP

Industry	TECHNOLOGY GROUPS				
	Design and Engineering	Fabrication and Assembly	Automated Material Handling	Inspection, Sensor and Testing Equipment	Communications and Control
Newfoundland	7	49	X	63	X
Prince Edward Island	29	35	-	X	X
Nova Scotia	51	14	2	42	68
New Brunswick	16	10	X	X	78
Quebec	44	45	18	47	62
Ontario	49	60	31	62	81
Manitoba	35	39	14	22	51
Saskatchewan	32	38	16	34	72
Alberta	45	40	4	47	56
British Columbia	34	30	11	53	69
All provinces	45	50	23	54	73

- = nil or zero
X = data confidential, to meet the secrecy requirements of the Statistics Act

TABLE 9 - PERCENTAGE OF RESPONDING ESTABLISHMENTS IN THE PROVINCE WHICH USED THE TECHNOLOGY

Industry	TECHNOLOGY GROUPS																
	Design and Engineering			Fabrication and Assembly						Automated Material Handling		Inspection, Sensor and Testing Equip.		Communications and Control			
Technology:	Technology																
	1.1	1.2	1.3	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	4.1	4.2	5.1	5.2	5.3	5.4	5.5
Newfoundland	X	X	X	15	8	X	X	X	X	10	X	X	15	X	-	10	X	X
Prince Edward Island	X	X	X	20	X	-	X	-	-	-	-	X	-	X	-	-	X	-
Nova Scotia	15	14	7	10	8	7	-	4	-	X	3	10	6	10	10	10	17	10
New Brunswick	10	5	4	9	10	6	X	4	X	X	X	5	3	8	9	7	18	X
Quebec	18	11	9	17	8	7	3	7	3	5	3	13	10	13	14	9	17	15
Ontario	19	11	7	25	10	8	3	8	5	5	4	18	17	15	14	17	34	20
Manitoba	18	8	8	17	3	3	4	X	X	3	X	10	8	12	8	9	19	8
Saskatchewan	25	9	3	15	X	X	5	X	X	6	X	14	8	14	9	7	25	11
Alberta	18	6	5	8	4	4	2	3	2	4	2	12	11	9	7	12	18	9
British Columbia	18	13	9	18	11	8	5	3	2	10	3	20	14	12	11	11	31	23
All provinces	18	10	8	19	9	7	3	6	3	6	3	15	13	13	13	12	25	16

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TABLE 10 - PERCENTAGE OF RESPONDING ESTABLISHMENTS IN THE PROVINCE WHICH USED AT LEAST ONE OF THE TECHNOLOGIES IN A TECHNOLOGY GROUP

Industry	TECHNOLOGY GROUPS				
	Design and Engineering	Fabrication and Assembly	Automated Material Handling	Inspection, Sensor and Testing Equipment	Communications and Control
Newfoundland	18	15	X	15	X
Prince Edward Island	13	20	-	X	X
Nova Scotia	20	21	6	11	27
New Brunswick	13	18	X	X	21
Quebec	21	25	7	14	28
Ontario	24	33	7	22	44
Manitoba	21	21	4	12	29
Saskatchewan	26	19	6	16	31
Alberta	21	14	4	14	23
British Columbia	24	26	11	23	40
All provinces	22	27	7	17	35

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TABLE 11 - PERCENTAGE OF 1986 SHIPMENTS FROM ESTABLISHMENTS IN THE INDUSTRY AND THE PROVINCE, WHICH CAME FROM ESTABLISHMENTS USING AT LEAST ONE OF THE TECHNOLOGIES

Industry	PROVINCE									
	B.C.	Alta.	Sask.	Man.	Ont.	Que.	N.B.	N.S.	P.E.I.	Nfld.
Food, beverages, tobacco	70	43	74	46	75	62	46	40	33	65
Rubber and plastics	79	X	X	97	86	63	X	X	X	X
Leather, textiles, clothing	70	21	X	66	78	52	X	65	X	X
Wood	79	65	69	52	61	54	73	31	X	X
Furniture and fixture	75	42	X	8	56	50	X	X	X	X
Paper and allied products	88	58	X	85	89	73	X	100	X	X
Printing, publishing and allied	50	74	94	74	66	39	78	38	X	X
Primary metal	98	94	X	98	97	93	X	X	X	X
Fabricated metal products	78	32	9	62	77	79	26	74	X	X
Machinery	86	54	77	83	91	84	X	X	X	X
Transportation equipment	91	59	88	73	97	97	X	X	X	X
Electrical and electronic products	81	X	X	99	88	84	X	X	X	X
Non-metallic mineral products	86	79	77	63	82	82	29	97	X	67
Petroleum and chemicals	82	72	89	47	86	93	X	X	X	X
Other manufacturing	52	55	X	42	69	62	89	55	X	X
All manufacturing	81	X	84	66	87	75	83	74	X	80

X = data confidential, to meet the secrecy requirements of the Statistics Act

TABLE 12 - PERCENTAGE OF ESTABLISHMENTS IN THE INDUSTRY AND THE PROVINCE, USING AT LEAST ONE OF THE TECHNOLOGIES

Industry	PROVINCE									
	B.C.	Alta.	Sask.	Man.	Ont.	Que.	N.B.	N.S.	P.E.I.	Nfld.
Food, beverages, tobacco	60	39	56	55	54	37	37	24	20	39
Rubber and plastics	45	25	X	75	70	45	X	75	X	X
Leather, textiles, clothing	35	13	X	48	44	34	50	38	X	X
Wood	62	25	38	36	42	36	20	22	X	X
Furniture and fixture	45	33	X	8	33	33	X	X	X	X
Paper and allied products	74	38	33	56	65	59	X	100	X	X
Printing, publishing and allied	52	47	77	46	44	46	50	44	X	X
Primary metal	50	67	X	86	79	76	X	X	X	X
Fabricated metal products	46	29	13	38	63	52	17	30	X	X
Machinery	60	53	64	59	74	69	X	X	X	X
Transportation equipment	48	25	60	38	76	59	X	50	X	X
Electrical and electronic products	75	X	X	88	80	57	X	67	X	X
Non-metallic mineral products	65	53	54	50	64	69	25	75	X	50
Petroleum and chemicals	73	47	25	40	60	63	20	33	X	X
Other manufacturing	27	33	X	33	41	32	50	38	X	X
All manufacturing	56	39	53	47	57	45	35	44	20	53

X = data confidential, to meet the secrecy requirements of the Statistics Act

MISCELLANEOUS TABLES

1987
TRADE COMMODITY CLASSIFICATIONS
GROUPED BY S.I.C.

S.I.C. 3341 - Record Player, Radio and Television Receiver Industry

	IMPORTS
Sound amplifiers, except parts	63445
Phonographs, coin-operated, exc. pts.	63449
Tape players, tape recorders exc. pts.	63475
TV receiving sets color under 19 inches	63711
TV receiving sets color 19 inches	63713
TV receiving sets color over 19 inches	63714
TV receiving sets under 19 inches nes	63715
TV receiving sets 19 inches nes	63717
TV receiving sets over 19 inches nes	63718
Radio receiving sets, automobile	63724
Radio receiving sets nes, ex. pts.	63749
Phonograph record players, domestic	63759
Combination radio-phonograph sets	63769
Speakers, electronic communic. and pts.	63945
Tuners	63950
TV, radio and phonograph set chassis	63960
Pts. of phonograph record player nes	63992
Parts of tape player and recorder nes	63994

	EXPORTS
TV receiving sets, exc. combination	63720
Radio receiving sets	63749
Combination radio-phonograph sets	63770
Phonograph records and blanks	63790
Phonographs and receiving antennae	63799
TV, radio and phonograph set chassis	63960

S.I.C. 335 - Communication and Other Electronic Equipment Industries

S.I.C. 3351 - Telecommunication Equipment Industry

	IMPORTS
Telephone apparatus equip. and parts	63419
Telegraph apparatus equip. and parts	63429
Commercial communication equip. nes	63499

	EXPORTS
Telephone apparatus equip. and parts	63419
Telegraph apparatus equip. and parts	63429
Commercial telecom. equipment nes	63499

S.I.C. 3352 - Electronic Parts and Components Industry

	IMPORTS
Television picture tubes	63814
Electronic receiving tubes	63816
Electronic tubes nes	63819
Parts of electronic tubes nes	63829
Integrated circuits	63831
Semi-conductors, transistor type	63833
Semi-conductors nes	63839
Parts of semi-conductors	63849
Capacitors, electronic and parts	63910
Resistors, electronic, and parts	63915
Crystals, mounted, and holders	63920
Transformers, electronic type and parts	63923
Inductors & coils electronic and parts	63924
Power suppl. units and parts, packs elec.	63930
Microphones and parts	63940
Printed circuit boards	63955
Electronic equipment components nes	63999

	EXPORTS
Electronic tubes and parts	63821
Semi-conductors and parts	63841
Resistors, electronic, and parts	63915
Transformers, electronic type and parts	63923
Printed circuit boards	63955
Electronic equipment components nes	63999

S.I.C. 3359 - Other Communication & Electronic Equipment Industries

	IMPORTS
Sonar echo sounding rel. devices parts	63435
Radar equip, rel. devices and parts nes	63439
Radio transmitting-receiving units	63490
Radio TV broadcast transm. equip. nes	63495
Receiving antennae and mountings	63794
Process multi-function control mach.	70378
Alarm and signal systems and parts nes	72059

	EXPORTS
Radar equip. and related devices and parts	63439
Sound amplifiers, except parts	63445
Radio Transmitting-receiving units	63490
Radio TV broadcast transm. equip. nes	63495

S.I.C. 336 - Office, Store & Business Machine Industries

S.I.C. 3361 - Electronic Computing & Peripheral Equipment Industry

	IMPORTS
Card Punching, sort and tab mach. and parts	77120
Electronic computers and parts	77122
	EXPORTS
Card puch sort tab computers and parts	77121

S.I.C. 3362 - Electronic Office, Store & Business Machine Industry

	IMPORTS
Scales and balances and parts nes	70890
Accounting, bookkeep mach. and parts nes	77104
Adding machines and parts	77108
Addressing, mail handling mach. and parts	77112
Calculating machines and parts	77115
Cash registers	77126
Pts. attach. access. for cash register	77128
Dictating, transcribing mach. and parts	77136
Duplicating machines and parts	77140
Typewriters, electronic, word proc.	77146
	EXPORTS
Adding machines and parts	77108

S.I.C. 3369 - Other Office, Store & Business Machine Industries

	IMPORTS
Hhld. and person weighing scales and parts	70820
Coin control devices and parts	73040
Hot beverage vending machines and parts	73044
Cold beverage vending machine and parts	73045
Vending machines and parts nes	73049
Service Industry equip and parts nes	73099
Coin handling and related mach. and parts	77132
Typewriters, electrics	77148
Typewriters, portable nes	77152
Typewriters, standard, non-electric	77156
Parts attach. access. for typewriters	77160
Office machines, equipment and parts nes	77199
Photocopy and similar machines and parts	91947
	EXPORTS
Vending machines and parts	73049
Service industry equip and parts nes	73099
Typewriters, electric	77148
Typewriters, portable nes	77152
Typewriters nes	77159
Parts attach. access. for typewriters	77160
Office machines equipment and parts nes	77199

S.I.C. 391 - Scientific & Professional Equipment Industries

S.I.C. 3911- Indicating, Recording & Controlling Instruments Industry

	IMPORTS
Amp, volt, ohm/meters/ panel type	70204
Elec. property measuring instr and parts	70217
Oscilloscope, oscillograph and access	70218
Elec. property recording, instr and parts	70222
Signal gen. test oscillators and parts	70241
Electric meas. test instr. nes parts	70290
Thermostats	70328
Gas meters and parts	70342
Flow level meas. control instr and parts	70344
Motion rotation meas cont inst and parts	70348
Thermal measure and control instr. nes	70371
Humidity measuring and control instr.	70373
Pressure measuring and control instr.	70375
PH measuring and gas analysis instr.	70377
Measuring and controlling instr. nes	70379
Pts of measuring and control inst. nes	70395
Gas chromatography equipt. and access.	70531
Laboratory instr. and appar. and parts nes	70590
Physiological monitoring equipment	70609

	EXPORTS
Electricity-measuring instr and parts	70290
Thermostats	70328
Thermal measure and control instr. nes	70371
Measuring and controlling instr. nes	70389
Parts of measuring and control inst. nes	70398

S.I.C. 3912 - Other Instruments & Related Products Industry

	IMPORTS
Thermometers	70325
Meteorological Instr. apparatus and parts	70362
Electro-medical and surgical equip	70619
Surgical instruments of steel and parts	70631
Medical diagnostic instruments nes	70639
Dental instruments, equipment and parts	70651
Ophthalmic equipment apparatus and parts	70669
Physiotherapy and veterinary instr.	70679
Sterilizers, autoclaves and parts	70681
Anaesthetic administering equipment	70683
Medical and hospital equip. and parts nes	70689
Binoculars and parts except lenses	70708
Optical microscopes and parts exc. lens	70710
Spectrophotometer colorimeter and parts	70715
Optical apparatus and instr. and parts nes	70729
X-Ray and related equipment and parts	70909
Navigation instruments appar. and parts	70919
Physical prop. test equip. and parts nes	70949
Surveying levels	70990
Surveying transits, theodolites	70991
Surveying instruments and parts nes	70993
Geophysical mineral prosp. equip. and parts	70994
Nuclear radiation meas. equip. and parts	70995
Models for demonstration etc. and parts	70997
Scientific instruments and parts nes	70999
Sutures w/o needles, suture needles	88120
Blood handling analysing and supplies	88131
Catheters, bougies, drains and sondes	88151
Disposable syringes, needles and parts	88194
Disposable med. and surgical inst. nes	88197
Medical and surgical supplies nes	88199
Cameras, still picture	91111
Cameras, motion picture	91118
Parts of cameras, except lenses	91139
Camera accessories nes	91149
Projectors, overhead type	91202
Projectors, still picture	91204
Projectors, motion picture	91208
Projection apparatus and parts nes	91219
Motion picture film unexposed	91513
X-ray film, unexposed	91523
Photographic plates, unexposed	91528
Unexposed photographic film nes	91539
Sensitized photo paper and cloth nes	91569

S.I.C. 3912 - Other Instruments & Related Products Industry (cont'd)

	EXPORTS
Camera and projection lenses	91939
Film processing and finish equip. and parts	91945
Microfilm equipment and parts	91948
Blue and whiteprint proc. equip. and parts	91949
Photographic equip. and supplies nes	91999
Medical and rel. instr. equip. and parts nes	70699
Optical instruments and parts	70799
X-ray and related equipment and parts	70909
Navigation instruments appar. and parts	70919
Physical prop. test equip. and parts nes	70949
Geophysical mineral prosp. equip. and parts	70994
Models for demonstration etc. and parts	70997
Labratory instr. equip. and parts nes	70999
Medical and surgical supplies nes	88199
Photo cameras, parts and accessories	91190
Camera and projection lenses	91939
Motion picture film, unexposed	91951
Photo film and plates, unexposed nes	91959
Photographic equip. and supplies nes	91999